Manual Part #99904660

IMT Propane Body

Revised 20120822

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Printed on 22 August, 2012

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Revisions

DATE	LOCATION	DESCRIPTION
20090826		PROPANE BODY MANUAL RELEASE
20090914		ECN 11094 - UPDATED ASSEMBLY
20091103	99904654, 99904576	UPDATED RESERVOIR DRAWING, ADDED FRAME EXTENSION MOUNTING DRAWING.
20091210	51713240	ECN 11139 - UPDATED TRAY ASSEMBLY, CORRECTED STABILIZER KITS.
20100325	99904262, 99904784, 99904857.	ECN 11102-2 - DECAL 70398872 WAS 70397215. ADDED 99904784, 99904857 BOOM STOW CIRCUIT DRAWINGS.
20100825	99904938	Added DEF tank hoses on 2011 F550 installation information.
	Decals	ECN 11287 - Added 70398983 caution decal, welding.
20100924		ECN 11221 - Changed propane body from weld-on to bolt-on underbody toolboxes. Added drawings 51723154, 51723190.
20110125	99904723, 99904975, 99904976, 99904978, 99904756, 99904774, 99904775, 99904776	ECN 11322 - PROPANE UPDATE WITH NEW OPTIONS.
20110519	99905200	ECN 11468 - New underhood electrical bracket.
	99904262	ECN 11478 - Update to PO/PD stabilizer assembly.
20110831	99905290	Added propane evacuation pump tool circuit drawing.
	99904576	ECN 11549 - Updated installation drawing.
	51719752, 51720021	ECN 11565 - Hardware update to tank bracket assemblies.
20111205		ECN 11628 - Update stabilizer wording, electrocution distances.
20120724	99904280	ECN 11758 - Ford installation kit drawing changes.
20120822		Added mounting bolt torque spec, decal to instruct on use of stabilizers, and equipment safety specifications.

CHAPTER 1

Equipment Safety

Personnel Requirements

Certain inherent risks are associated with heavy equipment, including IMT Crane Body Mechanics Trucks, due to the nature of their use. Personnel working in the area of these vehicles are subject to certain hazards that cannot be guarded against by mechanical means but only by the exercise of intelligence, care, and common sense. It is therefore essential for the owner of this equipment to have personnel involved in the use and operation of these vehicles who are competent, careful, physically and mentally qualified, and trained in the safe operation of this equipment.

Training

Prior to using any of the equipment installed on or incorporated in the IMT Crane Body Mechanics Truck, you must:

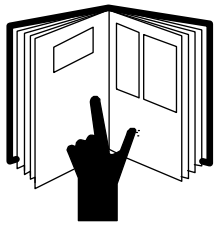
- Have already been fully trained to operate the vehicle and equipment.
- Have demonstrated the effectiveness of your training and the extent of your knowledge.

BEFORE operating this vehicle and any associated equipment, you, the operator or maintainer, must read, understand, and follow the instructions found in the operator and maintenance manuals from the manufacturers of major components used on this vehicle or equipment.

Proper tools and service equipment must be used, taking appropriate precautions as required by accepted safety practices, to prevent personal injury and/or equipment damage.

If you are uncertain about the safe operation of any aspect of this vehicle or equipment, stop immediately and seek further training. You are the only person who knows what you don't know. You must speak up about the things you don't know, so you can learn about them before someone is injured or killed because of your lack of knowledge. You are responsible for learning how to operate this vehicle and equipment under all conditions without having to pause to read this manual.

⚠ WARNING **Training & Operating Instructions**

	▪ Only trained personnel should operate this equipment. ▪ Do not operate or service until you have read and understood the operation and service manual supplied with this equipment. ▪ Manuals can be obtained from manufacturer’s website or by contacting customer service. ▪ Operating this equipment without knowledge or training may lead to injury or death for you or others.

Hazards When Moving About the Vehicle

Only climb, step, or walk on this vehicle where there are slip resistant surfaces and the opportunity to maintain three points of contact at all times. Some surfaces that should not be stepped on are marked with a *No Step* warning. All smooth surfaces should be avoided even if not specifically labeled with a No Step sign. If maintenance or service require access to a point on the vehicle not provided with slip resistant surfaces and hand holds, then use OSHA approved ladders, stepstools, or other safe means for access.

DO NOT ride on the outside of the vehicle when it is moving.

WARNING
No Step
Railings NOT provided.
Surface may be slippery - NOT intended for stepping, standing or walking.
Falls may injure or kill.
70399191

WARNING
FALL HAZARDS
When climbing on or off vehicle, ALWAYS:
• Face vehicle.
• Use steps and handholds.
• Maintain three points of contact with vehicle (two feet and one hand or two hands and one foot.)
• Keep steps, handholds, and walkways clean.
• Use extra caution when wet, icy or muddy.
• Replace surfaces when worn.
Slips and falls can injure or kill.
• Never ride on vehicle when it is in motion.
• Fall from moving vehicle may injure or kill.
70399192

Crane Safety

Your IMT Mechanics Truck may include a crane. Follow all operating procedures posted on the crane and body and included in the operator's manual for safe crane operation, including:

- Powerline safety
- Proper job-site set-up
- Using stabilizers

If your equipment includes a crane, refer to your crane operation and safety manual prior to operating your crane.

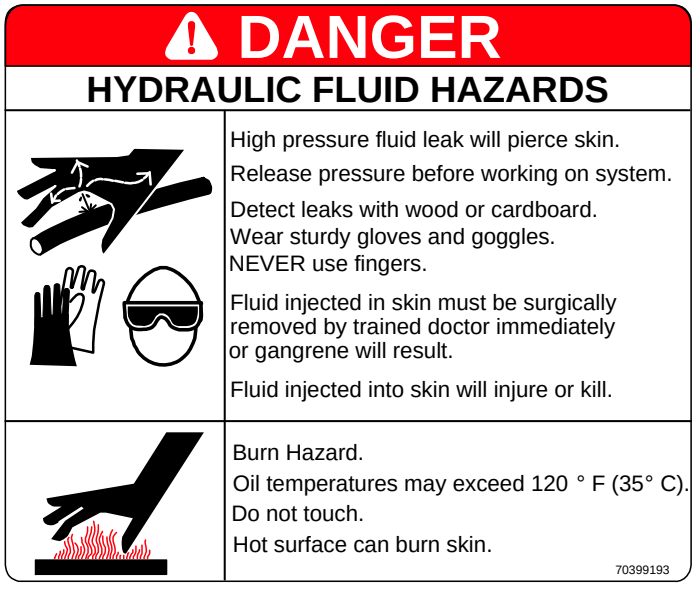
Hydraulic Hazards

Certain equipment on this vehicle, including cranes and compressors, may be powered by high pressure hydraulic fluid. Most heavy equipment operates on hydraulic power and it is common throughout industry. High pressure hydraulic fluid leaks are dangerous. If you see a hydraulic leak, shut down the equipment and call in a service technician trained in safe methods of trouble-shooting and servicing hydraulic power equipment.

Never search for leaks with your hands or other body parts. High pressure hydraulic fluid at pressures as low as 100 psi can penetrate skin. Use a piece of wood or cardboard to detect leaks, keeping hands and other body parts well away from the potential source of the leak.

If you suspect that you have been exposed to a high pressure hydraulic skin penetration, seek medical help immediately. The high pressure injection of a fluid such as hydraulic oil, grease and paint constitutes a medical and surgical emergency, requiring access to appropriate specialist surgical expertise as soon as possible. Often the injury appears minor. Don't be fooled. Fluids injected under the skin are highly toxic. The injury will lead to gangrene, amputation, and death if not treated promptly.

Most doctors are not trained in treating hydraulic related injuries. Make sure they are aware of the potential problems and get the recommend treatment needed to treat the injury.


DANGER
HYDRAULIC FLUID HAZARDS
High pressure fluid leak will pierce skin.
Release pressure before working on system.
Detect leaks with wood or cardboard.
Wear sturdy gloves and goggles.
NEVER use fingers.
Fluid injected in skin must be surgically removed by trained doctor immediately or gangrene will result.
Fluid injected into skin will injure or kill.
Burn Hazard.
Oil temperatures may exceed 120 ° F (35° C).
Do not touch.
Hot surface can burn skin.
70399193

Equipment Daily Safety Inspections

Use the following list as a guide when you are inspecting your unit at start-up and during operation. You may be required to log your inspection results using the Crane Log (IMT Manual No. 99900686) or the inspection checklist in the crane manual:

1 Vehicle - Check oil level, battery, lights, brakes, and tires for inflation, pressure, cuts, and loose or missing wheel lugs.

2 Safety Accessories - Check for proper function, oil levels, leaks and malfunctions.

3 Hydraulic Oil Reservoir - Check for proper oil level. Check for leaks and blockages.

4 Weldments - Check visually for damage, especially cracks or breaks in welds.

5 Fasteners - Check pins, sheaves, nuts and bolts for breakage, excessive wear and tightness.

6 Body Mounting Bolts - Retorque bolts after 12 hours or 1 week of service, and after 24 hours or 2 weeks of service. Check torques every 3 months after initial installation to ensure secure mounting.

7 Covers & Guards - Check for missing or improperly maintained covers and guards.

8 Operation Placards and Safety Decals - Check for illegible or missing decals and placards. Refer to the Decal section of this manual for more information on the required decals.

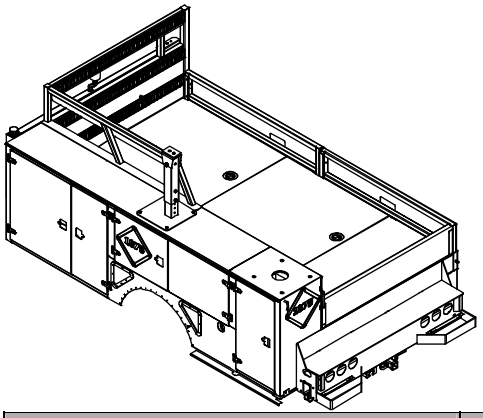
9 Work Area - Check for hazards including powerlines, obstructions, etc.

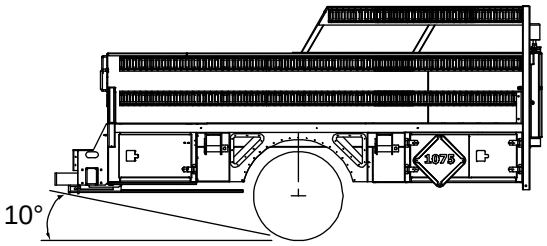
Replace or repair any items as needed prior to equipment operation.

In addition, inspect your crane per the daily safety inspection instructions in the crane manual.

CHAPTER 2

Propane Body Specifications





SPECIFICATIONS	
Body Rating	38,000 ft-lb (5.3 tm)
Body Weight	3700 lb (1678.3 kg)
Body Width (including rain eaves)	96 in (244 cm)
Sidepack Height	44 in (112 cm)
Sidepack Depth	16 in (41 cm) or 22 in (56 cm)
Cargo Deck Width	71.5 in (182 cm)
Step Bumper Depth	12 in (30.5 cm)
Tailgate Height	12 in (30.5 cm)
Angle of Departure	10°
Total Storage Capacity	76.2 cubic feet (2.2 cubic meters)

Compartment Dimensions

Left 1st Vertical	29.5” W x 38.5 ”H (78 cm W x 98 cm H)
Left 2nd Vertical	16.5” W x 38.5” H (42 cm W x 98 cm H)
Left Horizontal	63.38” W x 21” H (161 cm W x 53.3 cm H)
Left Rear	18.0” W x 38.5” H (45.7 cm W x 98 cm H)
Underbody Toolbox (Optional bolt-on for right or left side)	40.0" W x 16.5" H (102 cm W x 42 cm H)
Right Rear Block Box	30" W x 19.5" H (76 cm W x 49.5 cm H)

Tank Hauling Capacity

The propane body is designed to transport one 500-gallon propane tank, or up to 13-100 pound propane cylinders. With optional cradle in the rear of the body, the body can support a one 1000-gallon tank.

Pipe Hauling Capacity

Optional rack kits are available for transporting lengths of pipe over the side of the body.

Body Materials

The sidepacks are constructed of 10-gauge and 12-gauge galvannealed steel. The floor structure is constructed of 12-gauge galvannealed and 1/8” deckplate steel. The workbench is constructed of galvannealed and cold rolled steel.

Body Sub-Structure
The body sub-structure includes 12-gauge galvannealed material with integral crane box, front stabilizer receptacles and rear stabilizer housing.

Aluminum Side Panels
The side racks are constructed from 0.12" thick aluminum for ease of handling and corrosion resistance.

Electrical System
The electrical system consists of a central power distribution point in the crane box using automotive-style harnesses. The circuits use white wire with the circuit function printed every 3”. The harness is protected by an overbraid that is heat and cut resistant.

Doors
The doors are constructed of 14-gauge galvannealed steel with internal formed eaves and hemmed edges. The latches are a 3-point, locking rotary T-handle style. They are constructed of cast steel with a powder-coat finish. The hinges are stainless steel with composite washers.

Sidepack Options

1. Drawers and drawer sets
2. Standard adjustable shelves
3. 3" high divided adjustable shelves
4. Manual and hydraulic stabilizers
5. Individual incandescent compartment lights
6. Work lights
7. Telescopic cranes up to 38,000 ft-lb

CHASSIS SPECIFICATIONS	
Minimum Cab-to-Axle Dimensions (Cab-to-Trunnion for tandem axle)	
Dominator Propane Body	Single Axle (CA)
12' Body	84"

CHAPTER 3

Assemblies & Installation

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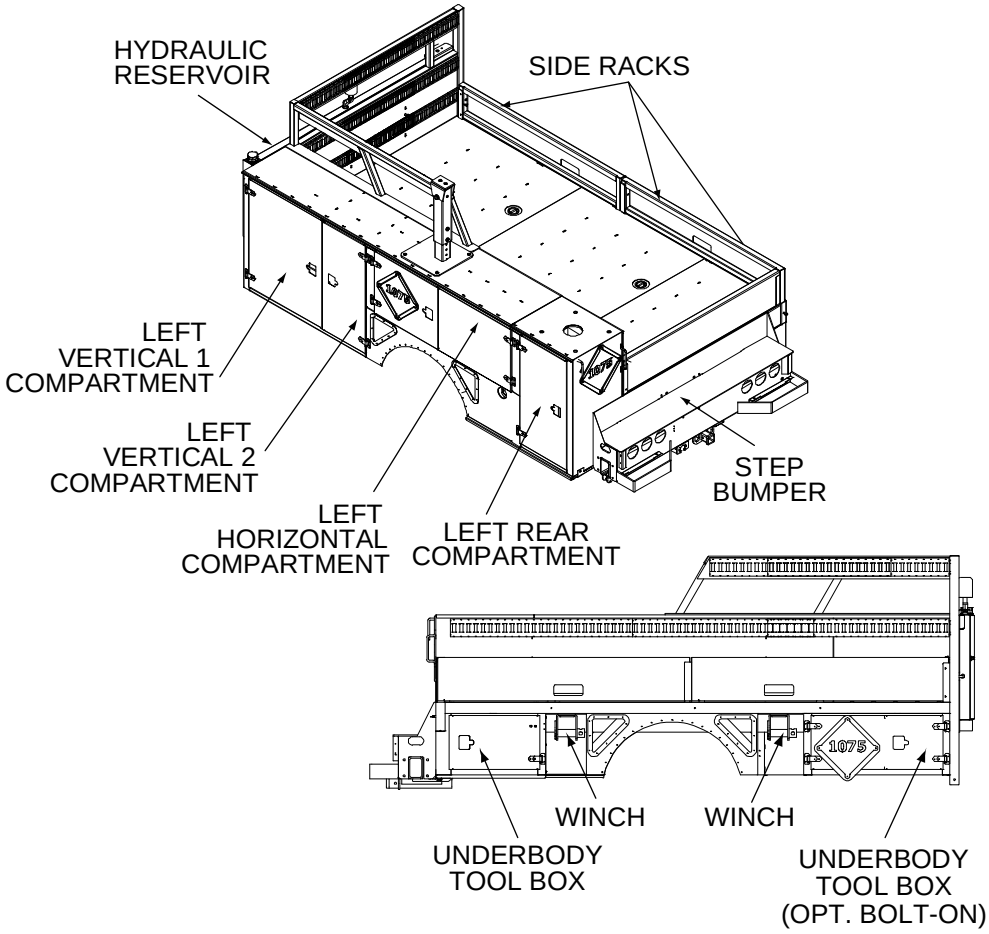
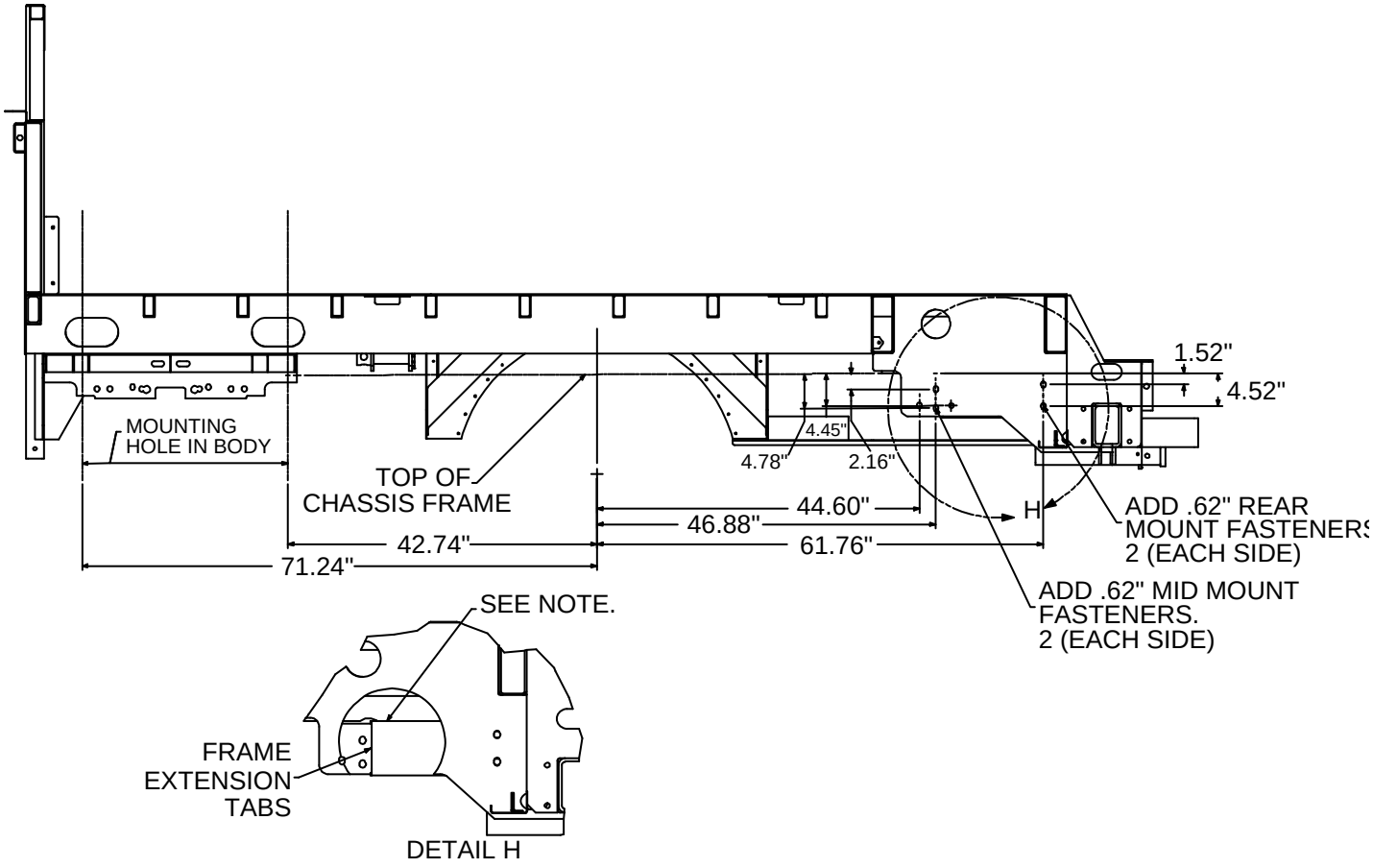
Propane Body Identification (99904576)



TANK SIDE VIEW

Body Installation (99904576-3)



WARNING:
Mount body using grade 8 cap screws, washers, and nyloc nuts. Bodies installed at IMT use 5/8-11 hex head grade 8 zinc-plated bolts with a bolt torque of 160 ft-lb (22 kg-m). Reference the torque charts provided in this manual for plain, unplated bolts.

Torque fasteners at installation. Retorque after 12 hours or 1 week of service, and again after 24 hours or 2 weeks of service. Check torques every 3 months to ensure secure mounting.

NOTES:
When adding the 16" frame extensions, use 60134795, which has slots and weld gap tabs.

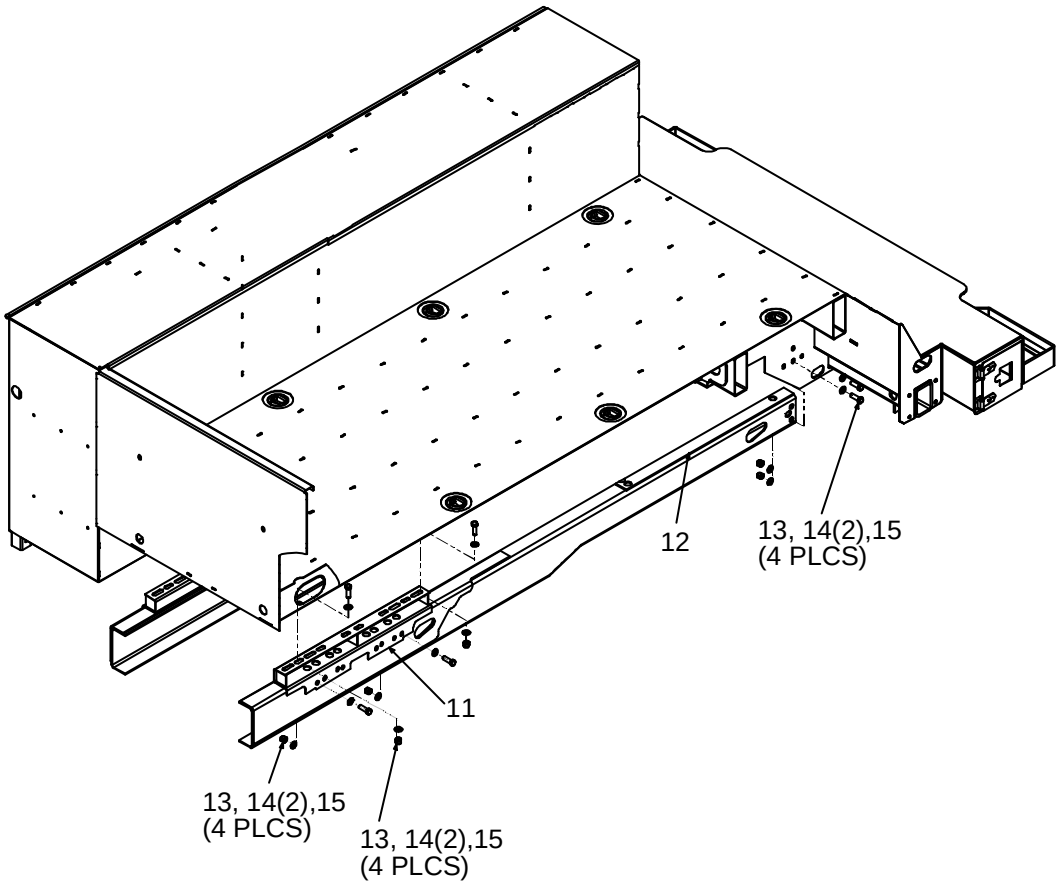
If the chassis has a *double wall frame*, ahead of the rear axle, the top of the frame extensions will be 1/4" (6 mm) above the top of the chassis frame. Do not install the standard rear shims that normally sit on top of the chassis after frame.

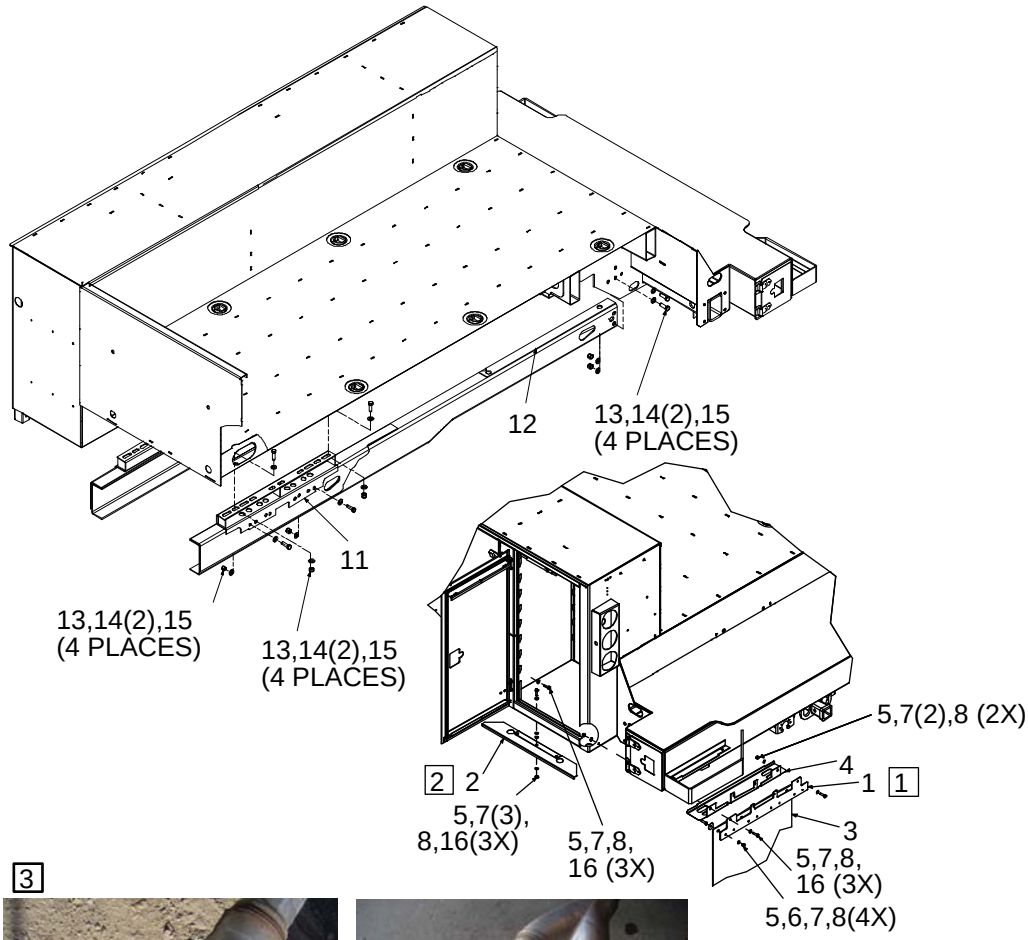
If the chassis has a *single wall frame*, ahead of the rear axle, the top of the frame extensions will be flush with the top of the chassis frame.

Installation, Ford Chassis (99904280)

KIT NUMBERS:

- 93722462 - INSTALLATION KIT-PROPANE FORD, DOUBLE-WALL DIESEL
- 93724800 - INSTALLATION KIT-PROPANE FORD, DOUBLE-WALL GAS





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NOTES:

1 QUANTITIES NOTED FOR ALL PARTS ARE PER SIDE.

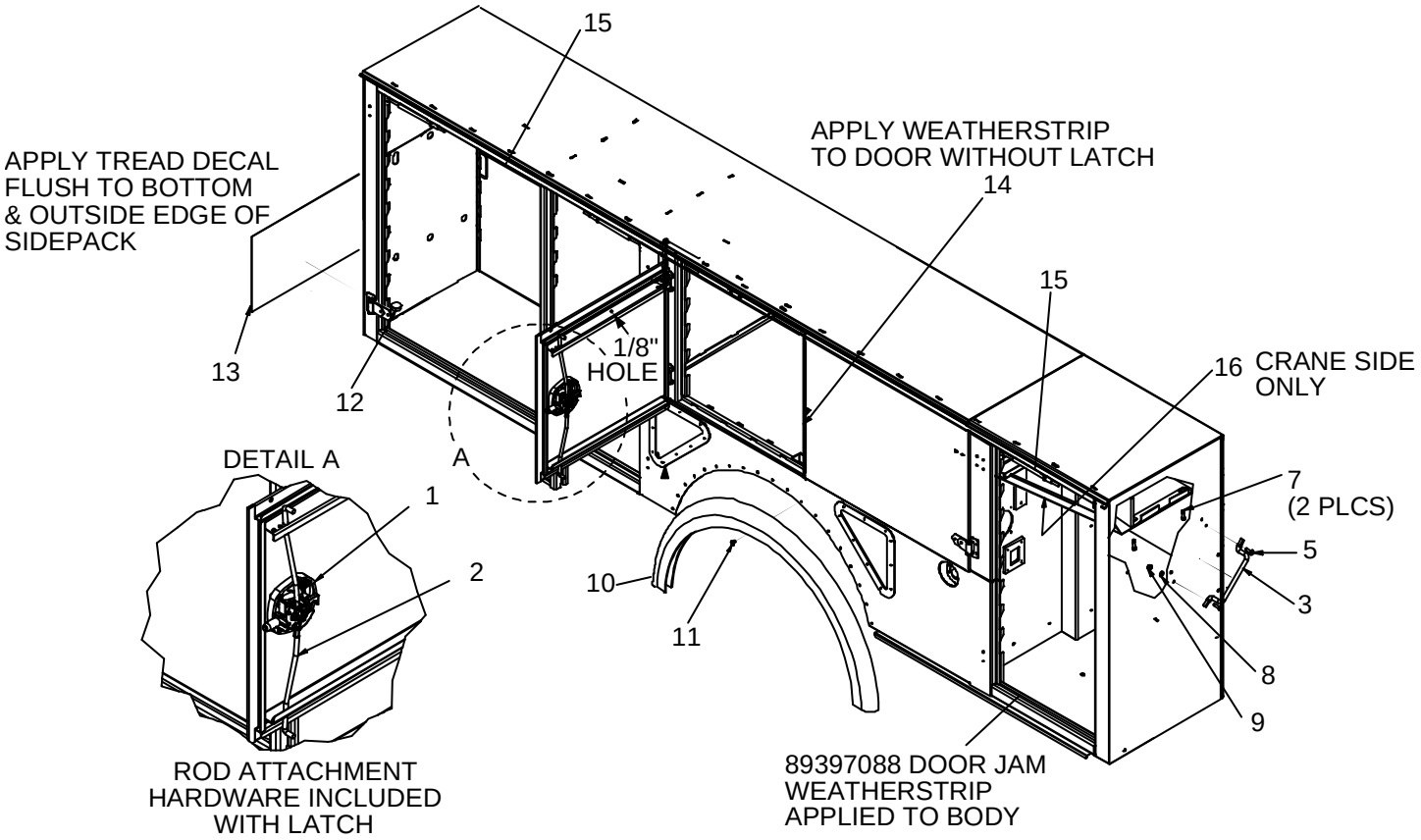
2 BOTH SIDES.

3 INSTALL EXHAUST CONNECTOR ONTO EACH EXHAUST TIP. DO NOT COVER AIR HOLES IN ORIGINAL TIPS. WELD ALL AROUND. CONNECT WELDER GROUND TO ONLY TO AVOID DAMAGE TO TRUCK COMPUTER.

99904280 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60131361	BRACKET-MUD FLAP DOM1 FORD 6.4L	2
3.	76393799	MUD FLAP W/IMT LOGO 16H X 24W	2
4.	60120705	MTG BRKT-WIRE HARNESS	2
5.	72060026	CAP SCR .31-18X 1.25 HH GR5 Z	28

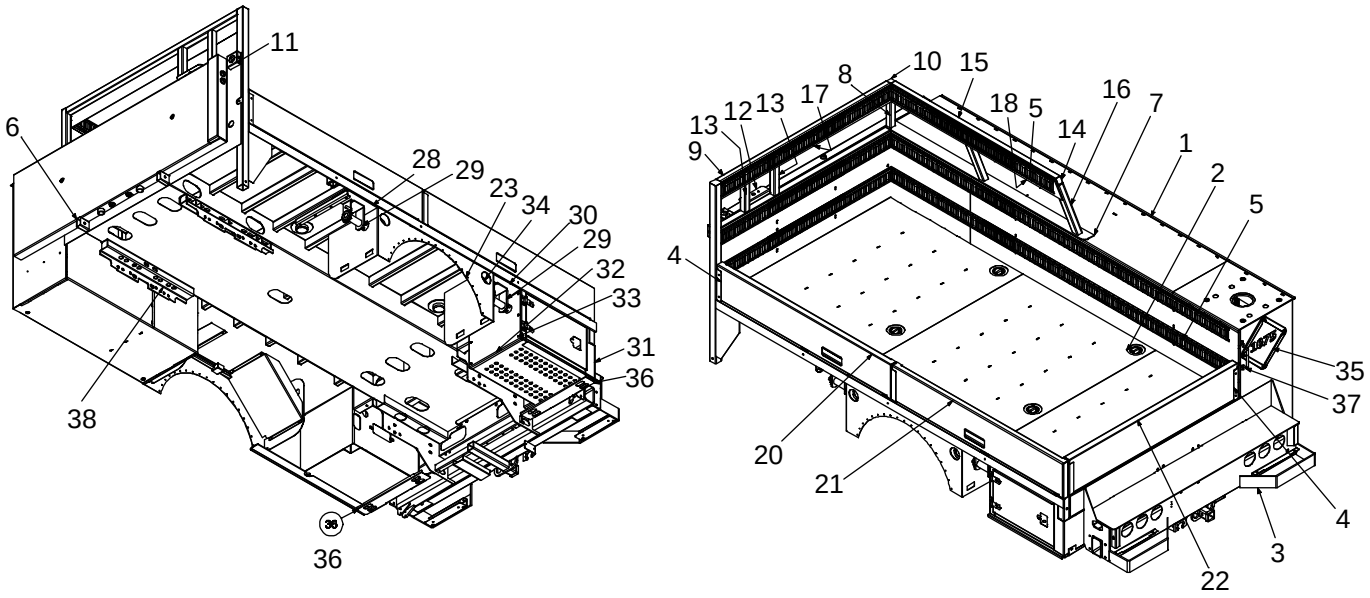
99904280 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
6.	72063078	WASHER .31X1.50 OD ZINC	8
7.	72063002	WASHER .31 FLAT	42
8.	72062109	NUT .31-18 HEX NYLOCK	28
11.	52722096	BRACKET-BODY FRT DOM1 84CA 19000 PROPANE	2
12.	60122777	SHIM-BODY MTG REAR DOM1 DBL WALL FRAME ONLY	2
13.	72060151	CAP SCR .62-11X 2.00 HH GR8 Z	12
14.	72063119	WASHER .62 FLAT ASTM F436	24
15.	72601859	NUT .62-11 HEX ZINC NYLOK GR8	12
16.	76392598	WASHER-BONDED PLTD .31	18
17.	71412663	EXHAUST CONNECTOR-4.00ID ELBOW (6.4) (DIESEL ONLY)	2
	70143334	EXHAUST CONNECTOR- 3.5 ID X 3.25 ID X 12 (GAS KIT ONLY)	1
REV A 20120724			

Body Assembly (51722463)



BODY ASSEMBLY PARTS LIST (51722463)			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	72661599	LATCH ASM-3PT COMPRESSION	AS REQUIRED
2.	VARIOUS	ROD-DOOR	A/R
3.	72661467	HANDLE-BODY BOLT ON 7.0X2.5BLK	2
4.	60126311	STEP GRIP STRUT LH	1
5.	72601590	CAP SCR-SS .31-18X1.00 TRH PHH	4
8.	72063152	WASHER-SS .31 R FLAT WRT TYPE 304	4
9.	72062167	NUT-SS .31-18 HEX NYLOC	4
10.	60396773	FENDER RUBBER (DOM 1)	2
11.	72661384	RIVET-AL LG HD .25X .50 GRIP	A/R
12.	70034366	PLUG-PLSTC BUTTON BP-1-1/8	A/R
13.	60350056	TREAD-SHUR STEP 12"X 21 in.	2
14.	89393638	WEATHERSTRIP- .75X.38 TRIM-LOC X119 BT	A/R
15.	89396626	EDGING-PLASTIC BLK	A/R
16.	60116698	DRIP TRAY (DOM 1 & 2)	1
REV. F 20070626 (FROM 99903654)			

Propane Body Assembly, RH 22" Deep (99904723)



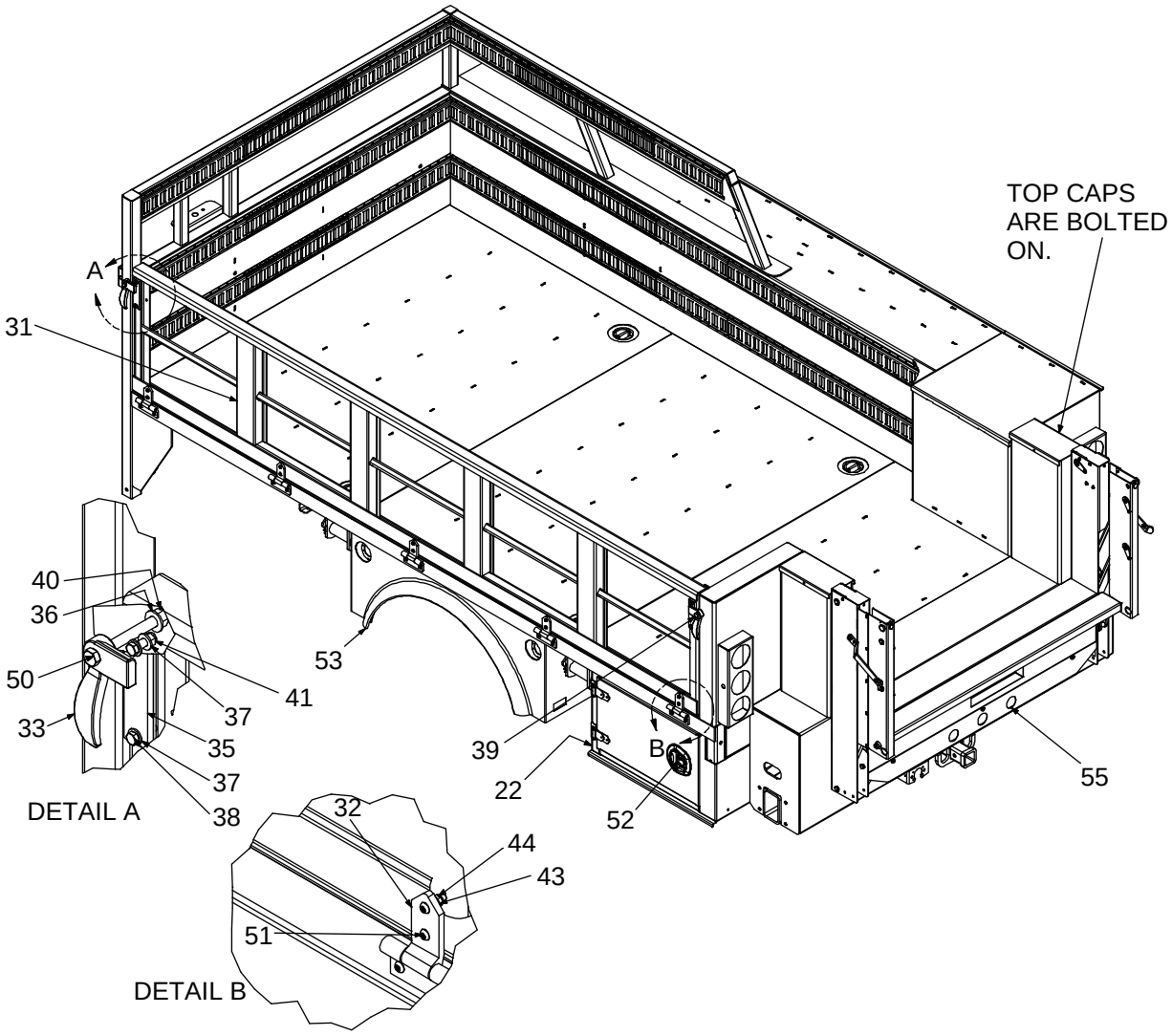
NOTES:

1 CAREFULLY MOUNT THE BODY ON THE CHASSIS AS THE RESERVOIR BOLTS ARE ONLY ABOUT 1" FROM THE CHASSIS REAR WINDOW.

99904723 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	99904725	SIDEPACK-11 RH STD	1
2.	99904724	FLOOR-DOM1-12 RR CRN PROPANE	1
3.	99904726	DRAWING, DOM 1 SII REAR STEP BUMPER WLD RR PROPANE	1
4.	60133284	CHANNEL-FORM RACK PROPANE	2
5.	71413222	TRACK-TRUCK E-TRACK HORIZ 5ft LONG	11
6.	60121318	TUBE-RC 3.00X 1.50X.12X 3.50	2
7.	60133922	BAR- .25X 4.00X 81.00	1
8.	60133916	TUBE-SQ 2.00X 2.00X.12X 15.62	1
9.	60133917	TUBE-SQ 2.00X 2.00X.12X 69.37	1
10.	60111508	SHEET-10GA X 1.75 X 1.75	1
11.	60135964	BRACKET-MARKER LIGHT EXTERNAL .75	1
12.	60133919	LIGHT BRACKET	1
13.	60133918	TUBE-SQ 2.00X 2.00X.12X 13.87	2
14.	60133950	SHEET-10GA X 1.75 X 2.00	1
15.	60133915	TUBE-SQ 2.00X 2.00X.12X 68.15 ANGLE CUT	1
16.	60133914	TUBE-SQ 2.00X 2.00X.12X 16.81 ANGLE CUT	2
17.	60133920	SHEET-12GA X 6.00 X 69.31	1
18.	60133921	SHEET-12GA X 5.50 X 70.00	1

99904723 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
19.	60123785	CHOCK-TRIM RING ON DOM SKIRT	2
20.	52722614	RACK-ALUMINUM RH FRONT PROPANE BODY	1
21.	52722615	RACK-ALUMINUM RH REAR PROPANE BODY	1
22.	52722108	RACK-ALUMINUM REAR PROPANE	1
23.	60134787	SIDEPACK SKIRT D1 LH PROPANE	1
28.	60133353	PLATE .25 X 6.00 X 12.38	1
29.	70057658	WINCH-TRUCK TIEDOWN 30ft (SLIDE)	2
30.	60133352	PLATE .25 X 6.00 X 11.12	1
31.	52722617	UNDERBODY TOOLBOX-PROPANE LR	1
32.	60251302	GUARD-ROCK PROPANE	1
33.	72601410	SCREW-MACH .25-20X .75 BTNHD ZC	6
34.	52705805	RECESS-FILLNECK 900 MECH BODY	2
35.	70395930	PLACARD-TANKER FLIP SYSTEM	2
36.	60120705	MOUNTING BRACKET-WIRE HARNESS	2
37.	72661467	HANDLE-BODY BOLT ON 7.0X2.5BLK	1
38.	52722096	BRACKET-BODY FRT DOM1 84CA PROPANE 19000 GVW	2
39.	52721806	HYDRAULIC RESERVOIR-WLDMT 23 GAL PROPANE	1
41.	60135976	GUSSET-PROPANE LF FRONT	1
42.	60135970	GUSSET-PROPANE RIGHT FRONT SIDE	1
43.	60135977	CHANNEL-PROPANE UBTB SUPPORT LF	1

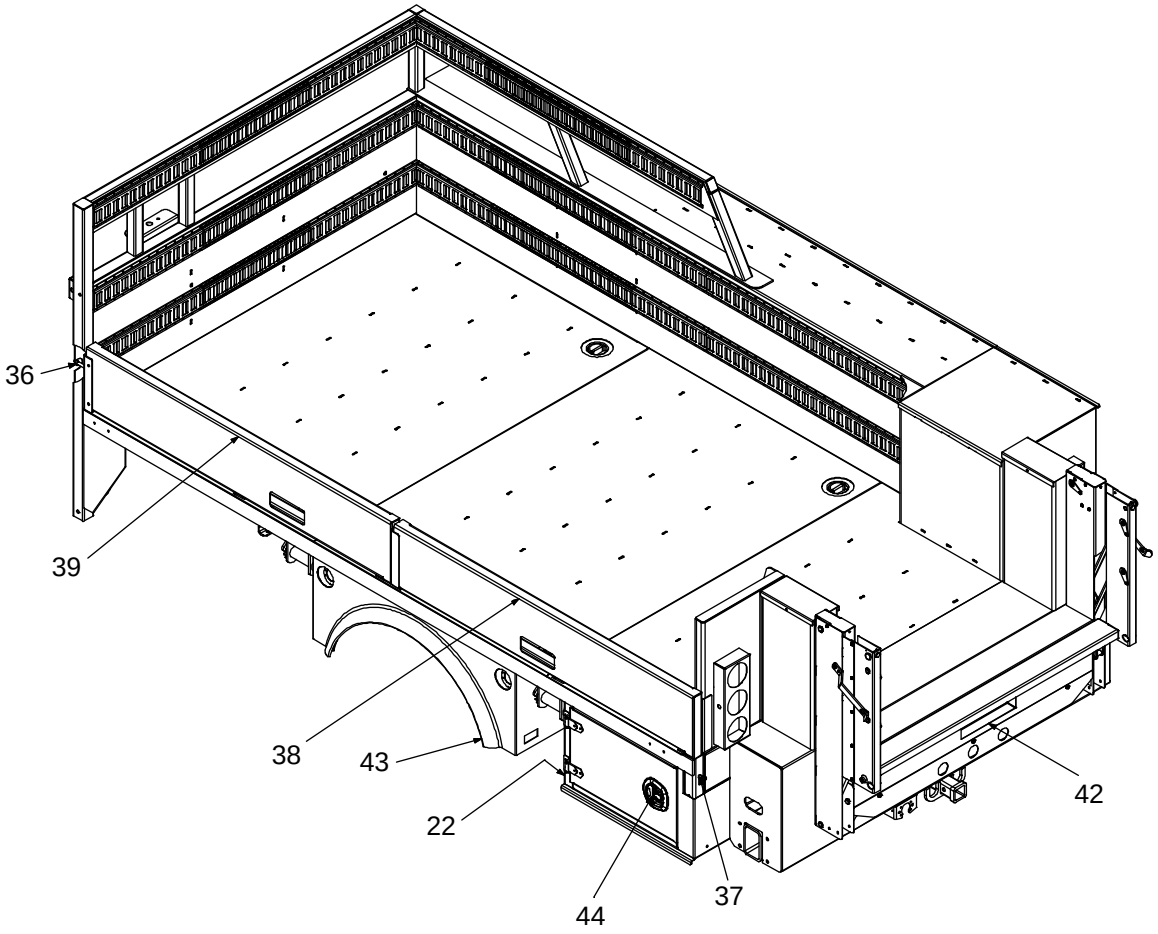
Propane Body Assembly, RH 16" Deep with Loadgate, Fold-Down Rack (99904975)



99904975 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
22.	60251302	GUARD-ROCK PROPANE	1
31.	52722897	RACK-WELDMENT PROPANE 12ft ALUM SECT	1
32.	72661357	HINGE-BUTT 4-NB ZC .50 PIN	5
33.	72066368	LATCH-END GATE LEFT HAND	1
35.	60030265	STOP-SIDE RAC K 3010 AL HAUL	2
36.	72063205	WASHER-FLAT .50 TYPE 304SS	4

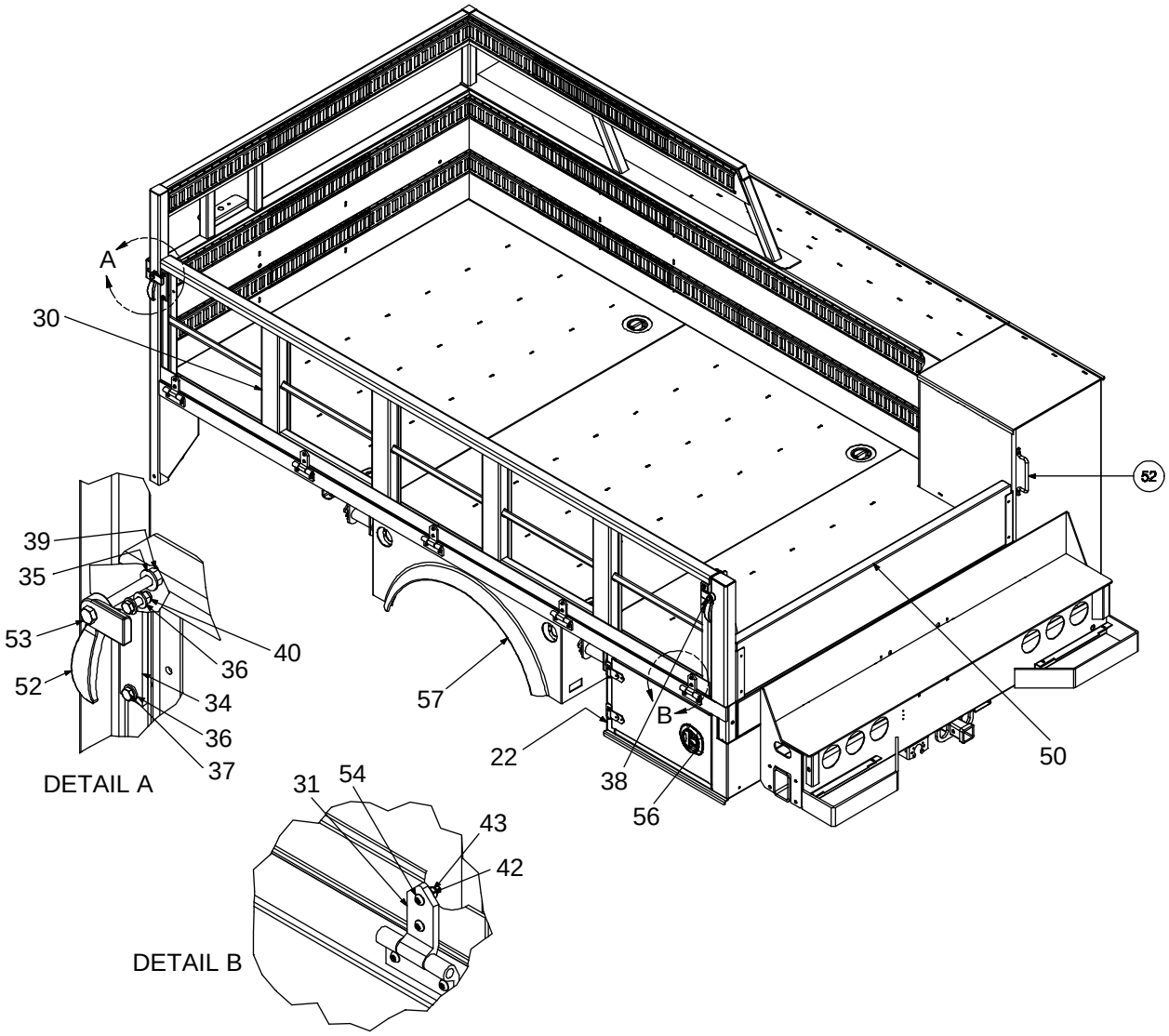
99904975 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
37.	72063003	WASHER .38 FLAT	8
38.	72060047	CAP SCREW .38-16X 1.25 HH GR5 Z	4
39.	72060094	CAP SCREW .50-13X 1.75 HH GR5 Z	1
40.	72062080	NUT .50-13 HEX NYLOC	2
41.	72062103	NUT .38-16 HEX NYLOC	4
43.	72063002	WASHER .31 FLAT	10
44.	72062109	NUT .31-18 HEX NYLOCK	10
50.	72060100	CAP SCREW .50-13X 4.50 HH GR5 Z	1
51.	72601551	SCREW-MACH .31-18X 1.25 TRH PHH SS	15
52.	72661599	LATCH ASM-3PT DOM (II) COMPRESSION	5
53.	60396773	RUBBER FENDER	2
55.	70734523	LOADGATE	1
NEW 20110110			

Propane Body Assembly, RH 16" D with Loadgate, Lift-Out Rack (99904977)



99904977 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
22.	60251302	GUARD-ROCK PROPANE	1
36.	71733327	PIN-QUICK RLSE .50D/5.0CRIT RNG	1
37.	71732054	PIN-QUICK RLSE .50D/2.5CRIT RNG	1
38.	52722615	RACK-ALUM RIGHT HAND REAR PROPANE BODY	1
39.	52722614	RACK-ALUM RIGHT HAND FRONT PROPANE BODY	1
42.	70734523	LOADGATE	1
43.	60396773	FENDER RUBBER DOM I	2
44.	72661599	LATCH ASM-3PT COMPRESSION	5
NEW 20110110			

Propane Body Assembly, RH 16" Deep with Step, Fold-Down Rack (99904976)

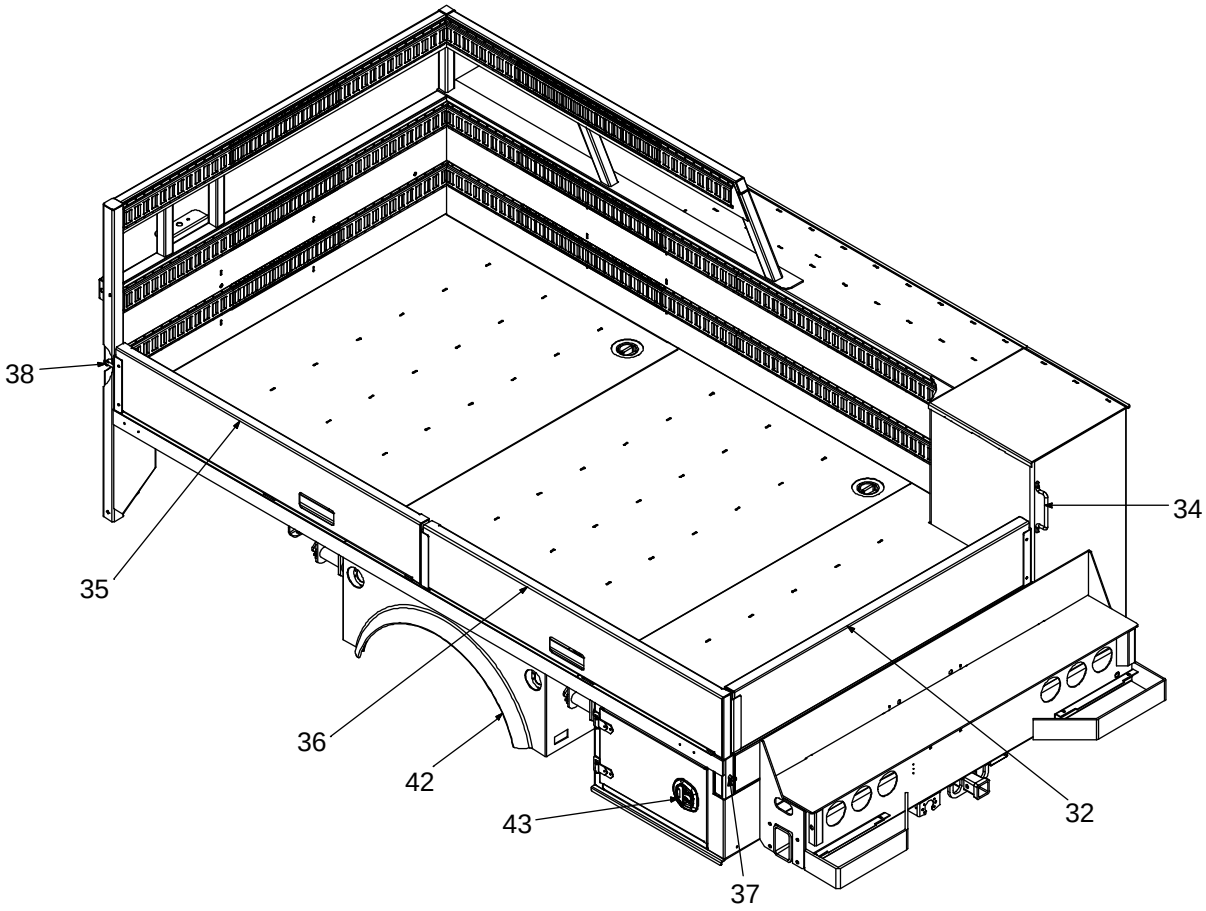


APPLY BLUE THREAD-LOCK
TO RUB RAIL FASTENERS.

99904976 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
22.	60251302	ROCK GUARD	1
30.	52722897	RACK-WELDMENT 12' ALUMINUM SECTION	1
31.	72661357	HINGE	5
34.	60030265	STOP-SIDE RAIL	2

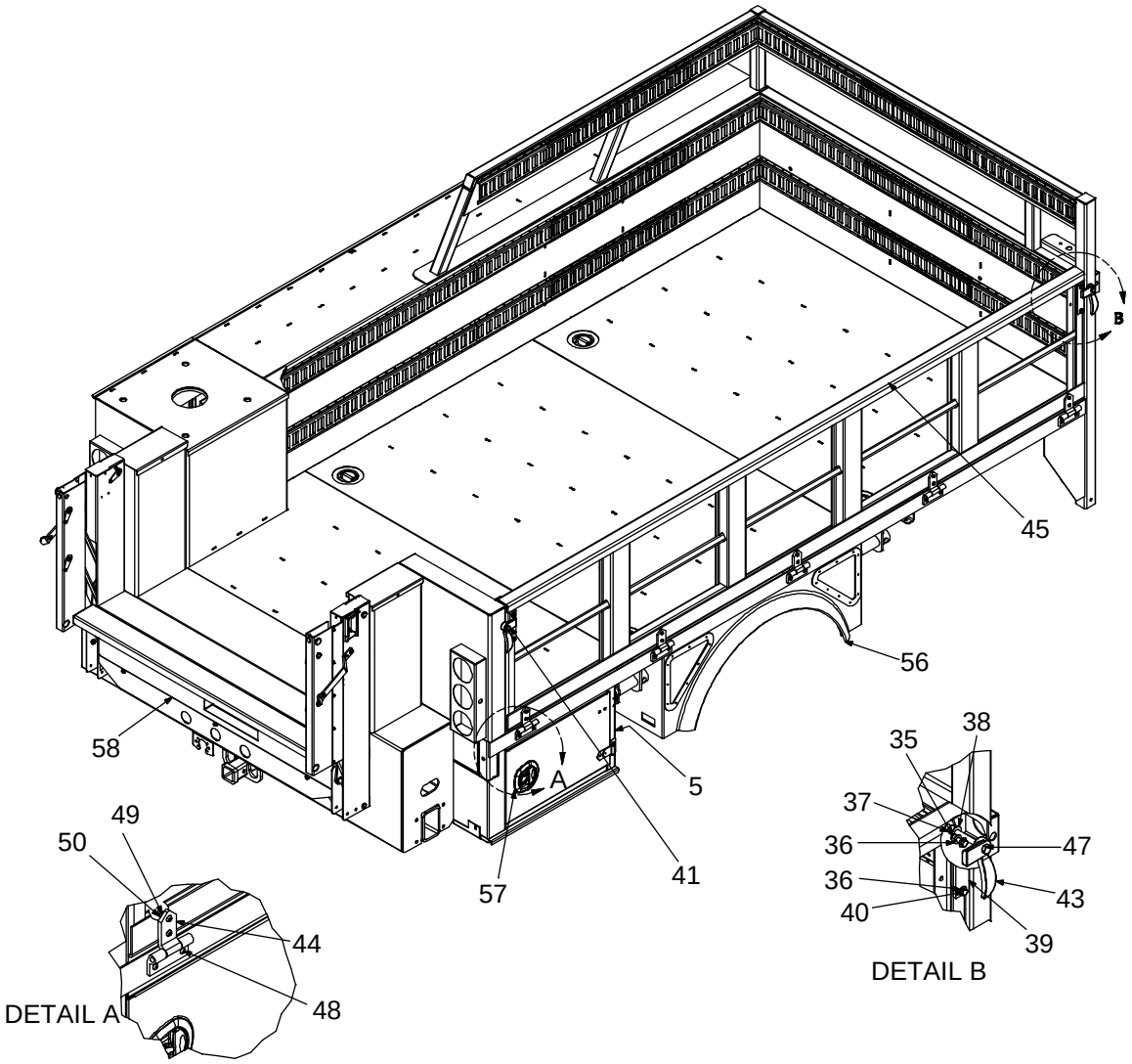
99904976 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
35.	72063205	WASHER-FLAT 1/2 TYPE 304SS	4
36.	72063003	WASHER 3/8 FLAT	8
37.	72060047	CAP SCREW .38-16 X 1.25 HHGR5Z	4
38.	72060094	CAP SCREW .50-13 X 1.75 HHGR5Z	1
39.	72062080	NUT .50-13 HEX NYLOCK	2
40.	72062103	NUT .38-16 HEX NYLOCK	4
42	72063002	WASHER .31 FLAT	10
43.	72062109	NUT .31-18 HEX NYLOCK	10
50.	52722108	RACK-ALUM REAR PROPANE	1
52.	72661647	HANDLE-BODY BOLT-ON	1
53.	72060100	CAP SCREW .50-13 X 4.50 HHGR5Z	1
54.	72601551	SCREW-MACHINERY .31-18 X 1.25 TRH PHH SS	20
56.	72661599	LATCH ASSEMBLY-3PT COMPRESSION	5
57.	60396773	RUBBER FENDER	2
NEW 20110110			

Propane Body Assembly, RH 16" Deep with Step, Lift-Out Rack (99904978)



99904978 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
32.	52722108	RACK-ALUMINUM REAR PROPANE	1
34.	72661647	HANDLE-BODY BOLT-ON	1
35.	52722614	RACK-ALUM RIGHT HAND FRONT PROPANE BODY	1
36.	52722615	RACK-ALUM RIGHT HAND REAR PROPANE BODY	1
37.	71732054	PIN-QUICK RELEASE .50D/2.5CRIT RNG	1
38.	71733327	PIN-QUICK RELEASE .50D/5.0CRIT RNG	1
42.	60396773	RUBBER FENDER	2
43.	72661599	LATCH ASSEMBLY-3PT COMPRESSION	5
NEW 20110110			

Propane Body Assembly, LH 16" Deep with Loadgate, Fold-Down Rack (99904756)

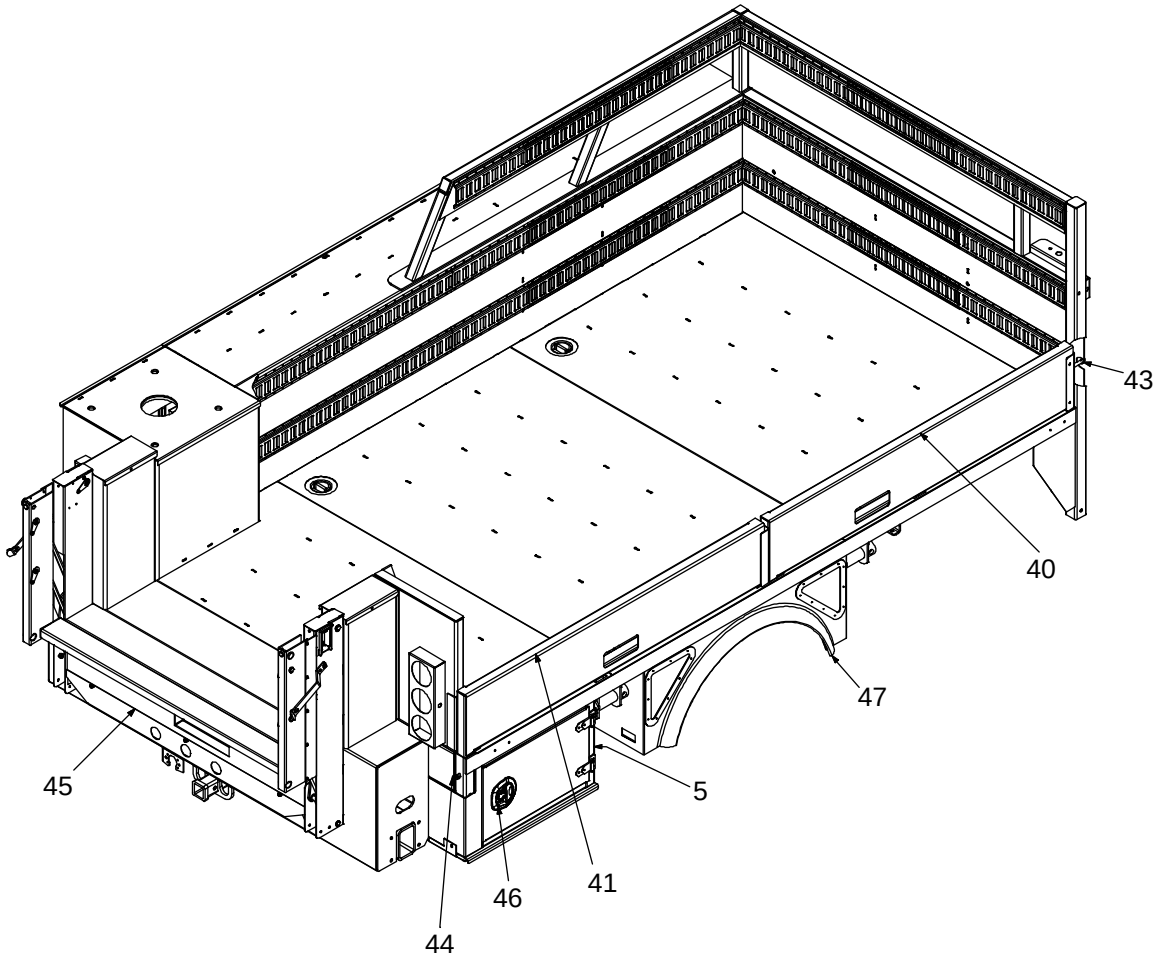


APPLY BLUE THREAD LOCK
TO RUB RAIL FASTENERS.

99904756 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
5.	52721800	UNDERBODY TOOLBOX - PROPANE, RIGHT REAR	1
35.	72062103	NUT .38-16 HEX NYLOCK	4
36.	72063003	WASHER .38 FLAT	8
37.	72062080	NUT .50-13 HEX NYLOCK	2
38.	72063205	WASHER-FLAT .50	4
39.	60030265	STOP-SIDE RAIL	2

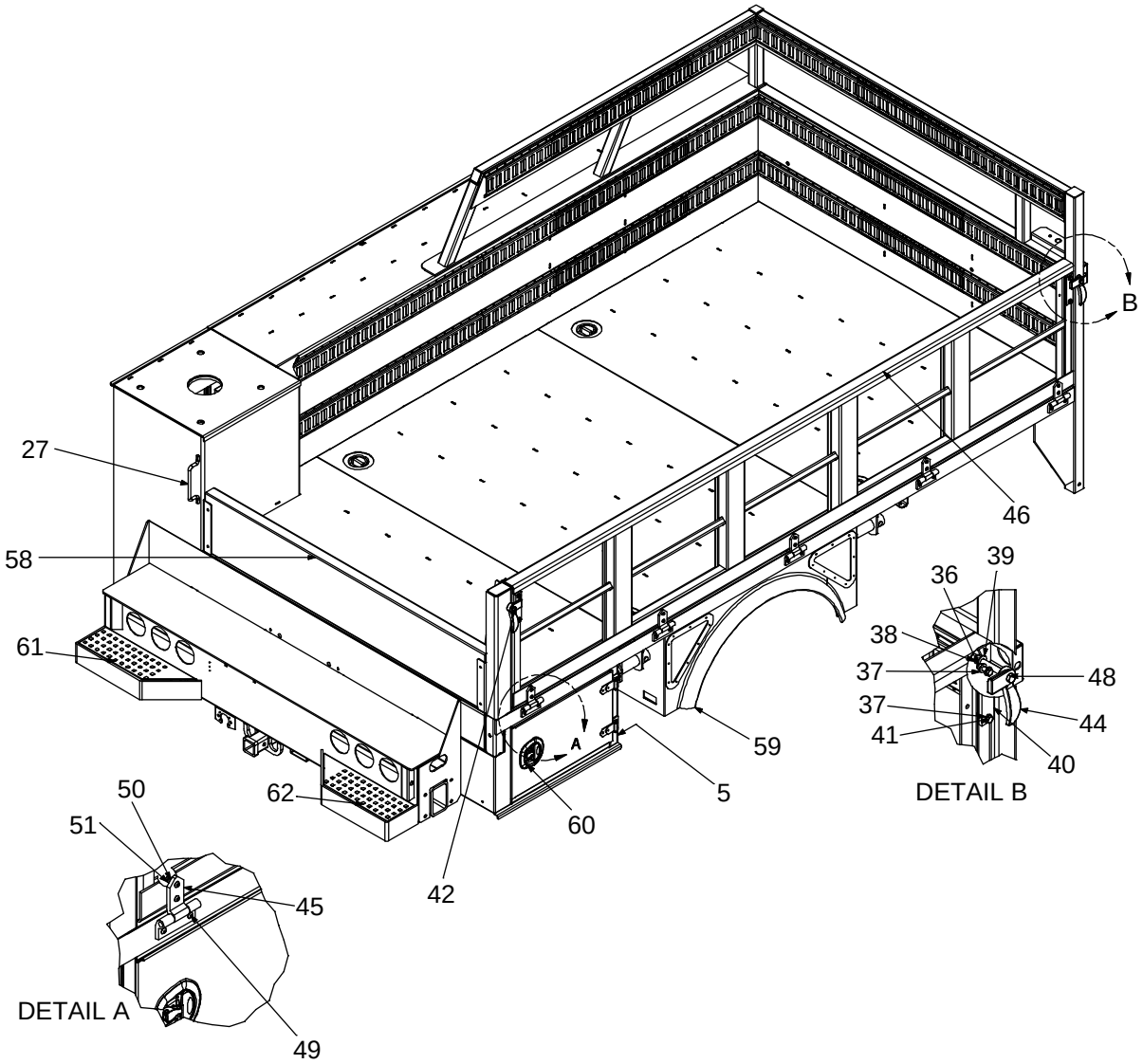
99904756 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
40.	72060047	CAP SCREW .38-16 X 1.25 HHGR5Z	4
41.	72060094	CAP SCREW .50-13 X 1.75 HHGR5Z	1
43.	72066369	LATCH-END GATE RIGHT HAND	1
44.	72661357	HINGE-BUTT	5
45.	52722897	RACK-WELDMENT 12' ALUMINUM SECTION	1
47.	72060100	CAP SCREW .50-13 X 4.5 HHGR5Z	1
48.	72601741	SCREW-MACHINERY .31-18 X 1.50 SOCKET BUTTONHEAD	10
49.	72063002	WASHER .31 FLAT	10
50.	72062109	NUT .31-18 HEX NYLOCK	10
56.	60396773	RUBBER FENDER	2
57.	72661599	LATCH ASSEMBLY-3PT COMPRESSION	5
58.	70734523	LOADGATE	1
NEW 20110110			

Propane Body Assembly, LH 16" Deep with Loadgate, Lift-out Rack (99904774)



99904774 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
5.	52721800	UNDERBODY TOOLBOX- PROPANE RR	1
40.	52722541	RACK-ALUMINUM RIGHT HAND FRONT PROPANE BODY	1
41.	52722542	RACK-ALUMINUM RIGHT HAND REAR PROPANE BODY	1
43.	71733327	PIN-QUICK RELEASE .50D/5.0 CRIT RNG	1
44.	71732054	PIN-QUICK RELEASE .50D/2.5 CRIT RNG	1
45.	70734523	LOADGATE	1
46.	72661599	LATCH ASSEMBLY-3PT COMPRESSION	5
47.	60396773	RUBBER FENDER	2
NEW 20110110			

Propane Body Assembly, LH 16" Deep with Step, Fold-Down Rack (99904775)

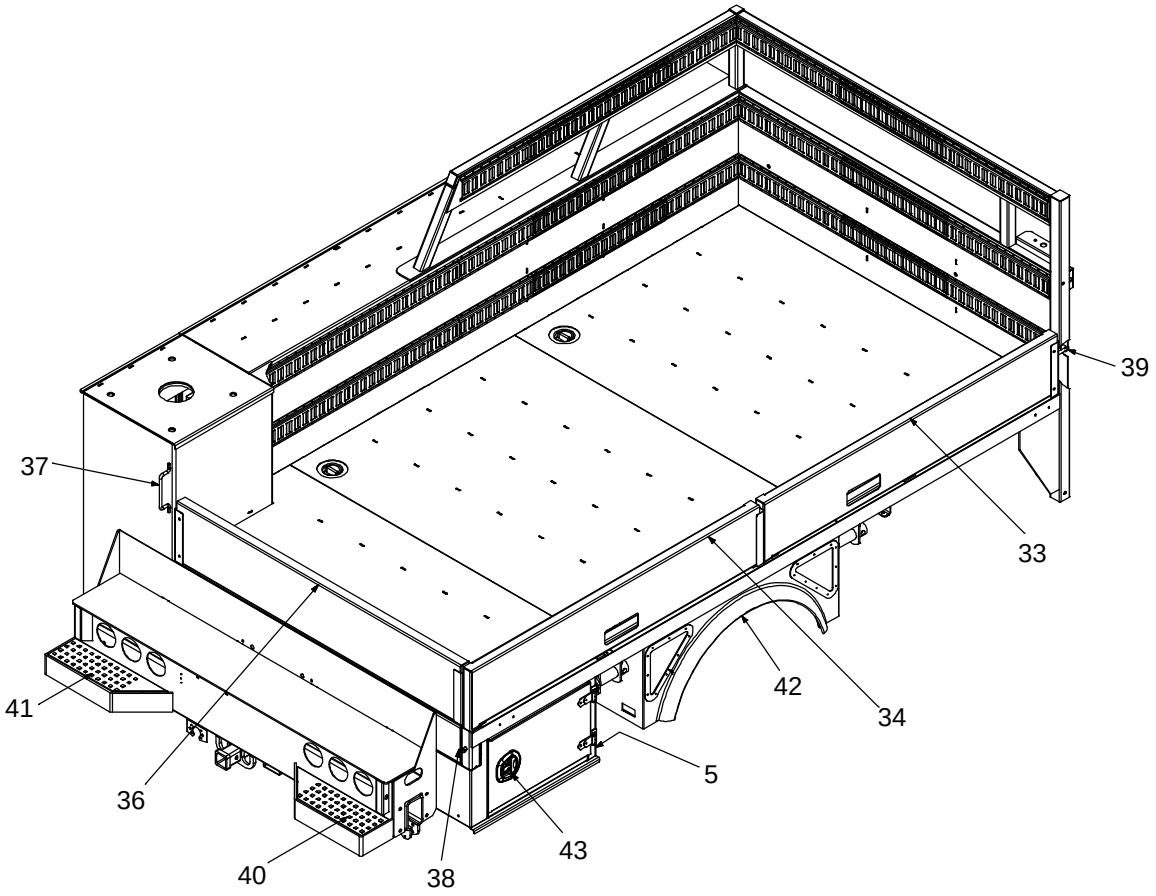


APPLY BLUE THREAD-LOCK
TO RUB RAIL FASTENERS.

99904775 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
5.	52721800	UNDERBODY TOOLBOX, RIGHT REAR	1
27.	72661467	HANDLE-BOLT-ON	1
36.	72062103	NUT .38-16 HEX NYLOCK	4
37.	72063003	WASHER .38 FLAT	8

99904775 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
38.	72062080	NUT .50-13 HEX NYLOCK	2
39.	72063205	WASHER-FLAT .50	4
40.	60030265	STOP-SIDE RAIL	2
41.	72060047	CAP SCREW .38-16 X 1.25 HHGR5Z	4
42.	72060094	CAP SCREW .50-13 X 1.75 HHGR5Z	1
44.	72066369	LATCH-END GATE RIGHT HAND	1
45.	72661357	HINGE-BUTT	5
46.	52722897	RACK-WELDMENT 12' ALUMINUM SECTION	1
48..	72060100	CAP SCREW .50-13 X 4.5 HHGR5Z	1
49.	72601741	SCREW-MACHINERY .31-18 X 1.5 SOCKET BUTTONHEAD	10
50.	72063002	WASHER .31 FLAT	10
51.	72062109	NUT .31-18 HEX NYLOCK	10
58.	52722108	RACK-ALUMINUM REAR PROPANE	1
59.	60396773	RUBBER FENDER	2
60.	72661599	LATCH ASSEMBLY-3PT COMPRESSION	5
61.	60126311	STEP GRIP STRUT, LEFT HAND	1
62.	60126312	STEP GRIP STRUT, RIGHT HAND	1
NEW 20110110			

Propane Body Assembly, LH 16" Deep with Step, Lift-out Rack (99904776)



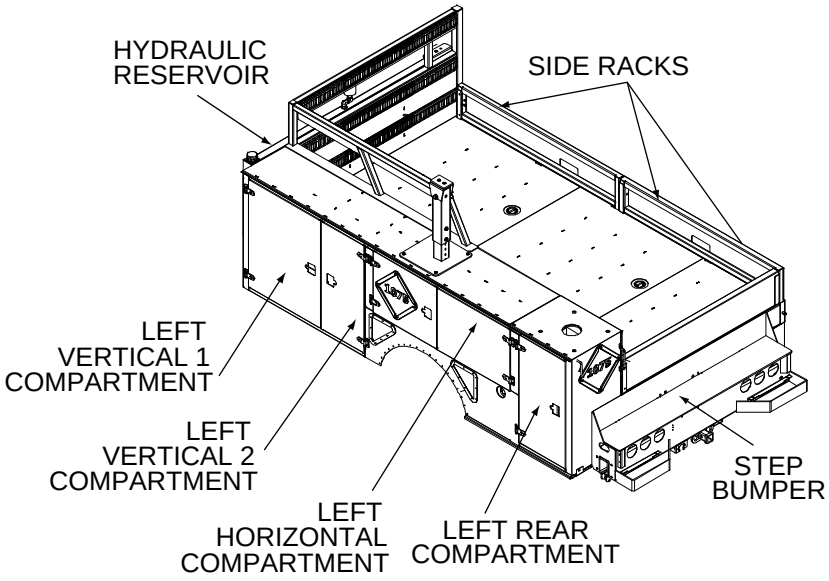
99904776 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
5.	52721800	UNDERBODY TOOLBOX, PROPANE RR	1
33.	52722541	RACK-ALUM RIGHT HAND FRONT PROPANE BODY	1
34.	52722542	RACK-ALUM RIGHT HAND REAR PROPANE BODY	1
36.	52722108	RACK-ALUMINUM REAR PROPANE	1
37.	72661647	HANDLE-BODY BOLT-ON	1
38.	71732054	PIN-QUICK RELEASE .50D/2.5CRIT RNG	1
39.	71733327	PIN-QUICK RELEASE .50D/5.0CRIT RNG	1
40.	60126312	STEP GRIP STRUT, RIGHT HAND	1
41.	60126311	STEP GRIP STRUT, LEFT HAND	1
42.	60396773	RUBBER FENDER	2
43.	72661599	LATCH ASSEMBLY, 3PT COMPRESSION	5
NEW 20110110			

Propane Body Components

BODY DESCRIPTION - DOMINATOR I PROPANE BODY-11' LEFT STANDARD (51722463)		
Component Part #	**Component Description**	
99903654	DRAWING- DOMINATOR BASE BODY ASSEMBLY	1
99903767	DRAWING- DOOR ASSEMBLY	1
60129032	ROD-DOOR 19.12 LG	6
60127447	ROD-DOOR 10.38 LG W/.75" OFFSET	2
70034366	PLUG-PLSTC BUTTON BP-1-1/8	5
72661599	LATCH ASM-3PT COMPRESSION	6
70393684	WEATHERSTRIP-108ft ROLL .62X.50	1
89393638	WEATHERSTRIP- .75X.38 TRIM-LOC X119 BT	4
89396626	EDGING-PLASTIC BLK	28
60396773	FENDER RUBBER	2
72060833	SCR-THRD.CUT .31-18X.75 HWH-1 (for step)	8
51716326	KIT-HRDW DOM CRANE DRIP TRAY	1
60126312	STEP GRIP STRUT RH (BLACK)	1
60126311	STEP GRIP STRUT LH (BLACK)	1
70396637	DECAL KIT-OUTSIDE	1
72661467	HANDLE-BODY BOLT ON 7.0X2.5BLK	1
60116698	DRIP TRAY-CRANE COMPT DOM	1
60350056	TREAD-SHUR STEP 12"X 21 in.	2
51716366	KIT-HRDW DOM RIVET/GRAB HANDLE	1
51719004	ELEC KIT-DOM2 (II) BASE KIT (CHASSIS)	1
51719742	ELEC KIT-DOM2 (II) BASE KIT (BODY)	1
77441126	HARNESS-DOM (II) 11' FRT JUMPER	2

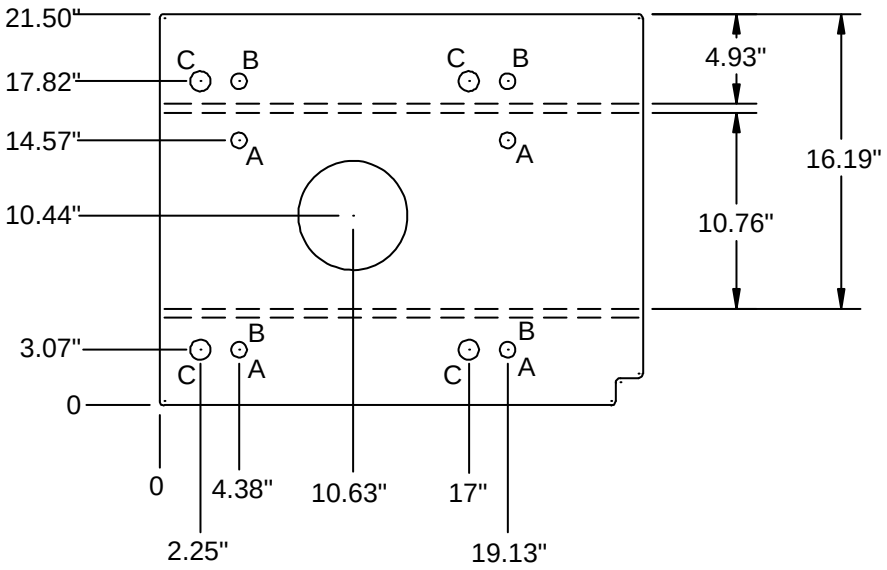
Door Assembly (99903767)

Propane Body Compartments:



ITEM	LOCATION	44" DOM DOOR PART NUMBERS
1.	LEFT VERTICAL 1 COMPARTMENT	52719669
2.	LEFT VERTICAL 2 COMPARTMENT	52719668
4.	LEFT HORIZONTAL COMPARTMENT WITH LATCH	52720238
5.	LEFT HORIZONTAL COMPARTMENT WITHOUT LATCH	52721791
6.	LEFT REAR	52719667

Dominator I Crane Installation Hole Pattern (99903339)

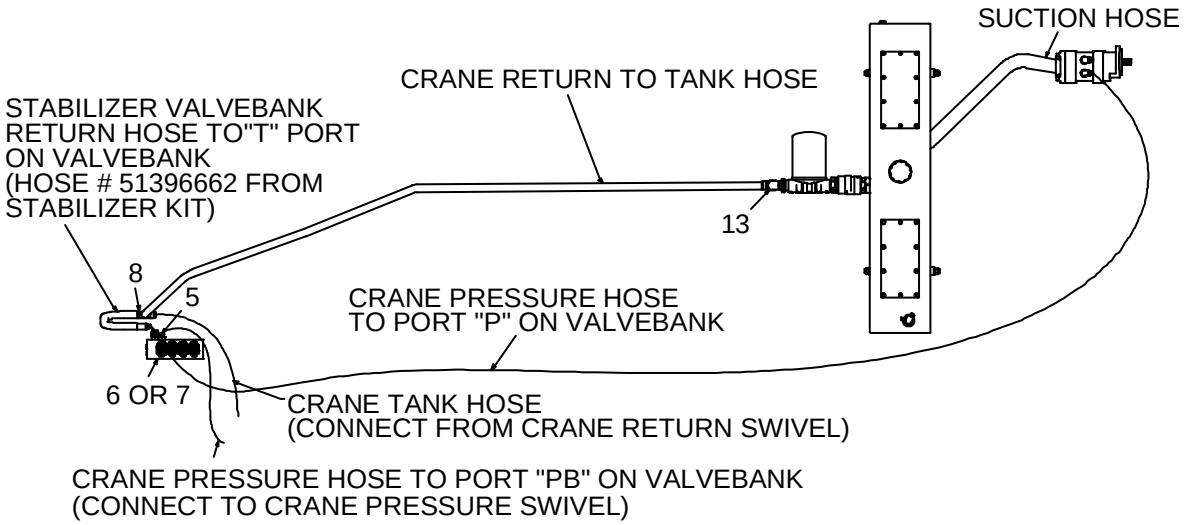


HOLE INDEX PER CRANE MODEL:

A	1015
	WS100
	3203i
	4004i (Models with serial number beginning with 4004i08...)
B	2002i (Adapter plate 51721678 required at installation.)
	2020
	4004i (Models with 6-digit serial number - Adapter plate 51721678 required at installation.)
C	2820
	3020
	3820
	5005i
	6006i

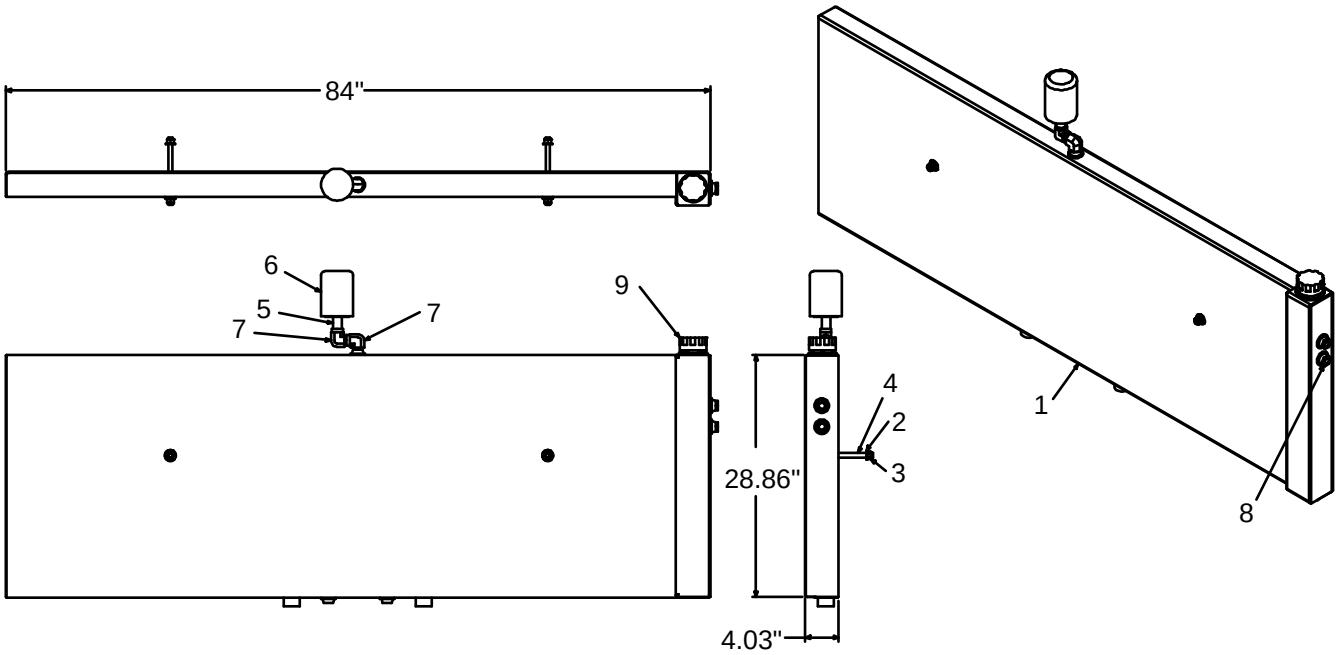
REV. H 20090609

Propane Hydraulic Installation



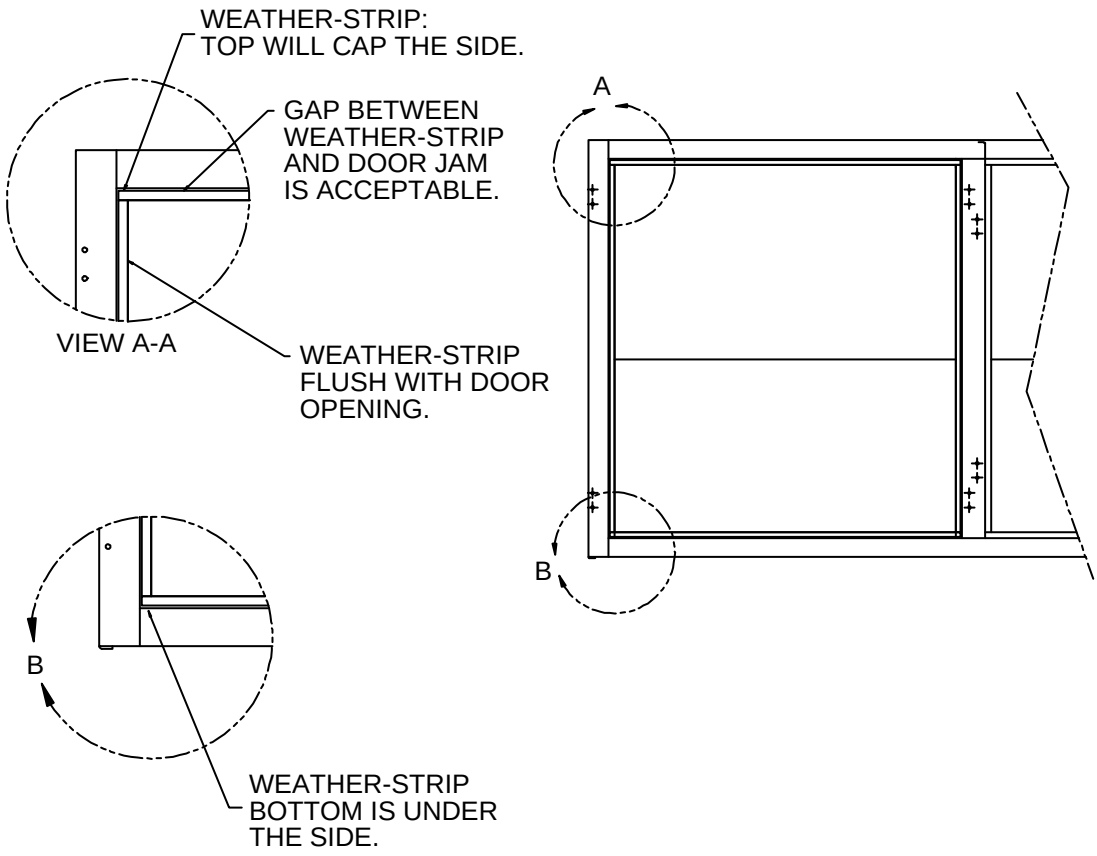
PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
5.	72532358	ADPTR-M STR/M JIC 8 8	3
6.	73734229	VALVE BANK, 3-SECTION (HYD OUT/HYD DOWN) (WAS 73733953)	1
7.	73734228	VALVE BANK, 2-SECTION (MAN OUT/HYD DOWN) (WAS 73733958)	1
8.	72532695	TEE-MALE JIC 1.06-12 .75 TUBE	1
13.	72532971	ELBOW-M JIC/90/F JIC SW 16 16	1
REFERENCE DRAWING 99903766 REV. 20111205			

Hydraulic Reservoir (99904654)

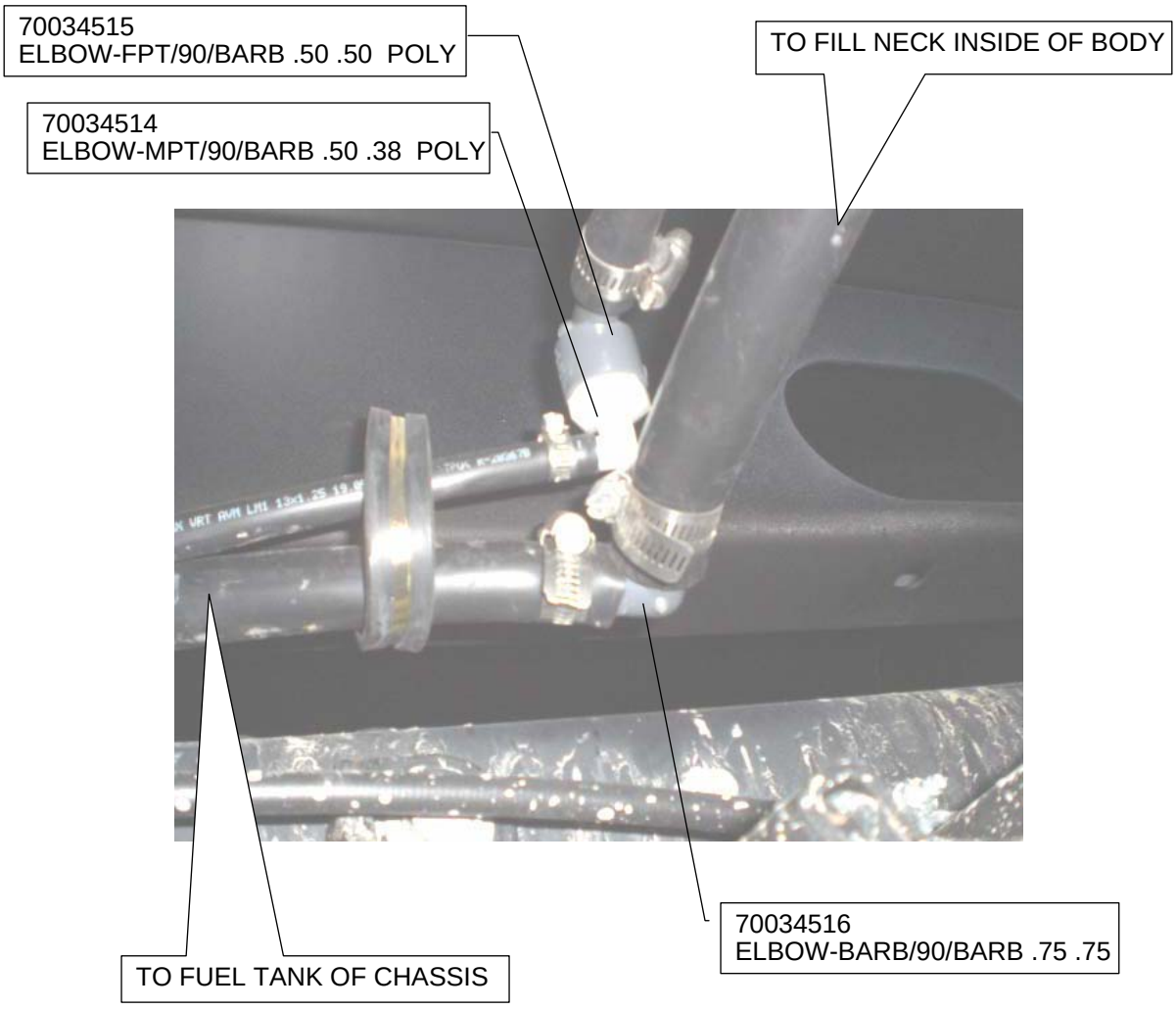


99904654 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52721806	HYDRAULIC RESERVOIR-WELDMENT 23 GAL PROPANE	1
2.	72063005	WASHER .50 FLAT	4
3.	72062080	NUT .50-13 HEX NYLOCK	4
4.	60108225	ROD-THREADED .50-13 X 8.00	2
5.	72533514	ADPTR-BREATHER FILTER OIL TANK	1
6.	73054974	FILTER-BREATHER OIL RESERVOIR	1
7.	72053556	ELBOW-STREET STL .75 X 90 DEG	2
8.	72532681	SIGHT GAUGE- .75 PLUG W/REFLECTOR	2
9	71413587	FILL-BREATHER BAYONET, NON-VENTED	1
REV. C 20091102			

Weather-Strip Installation (99904256)

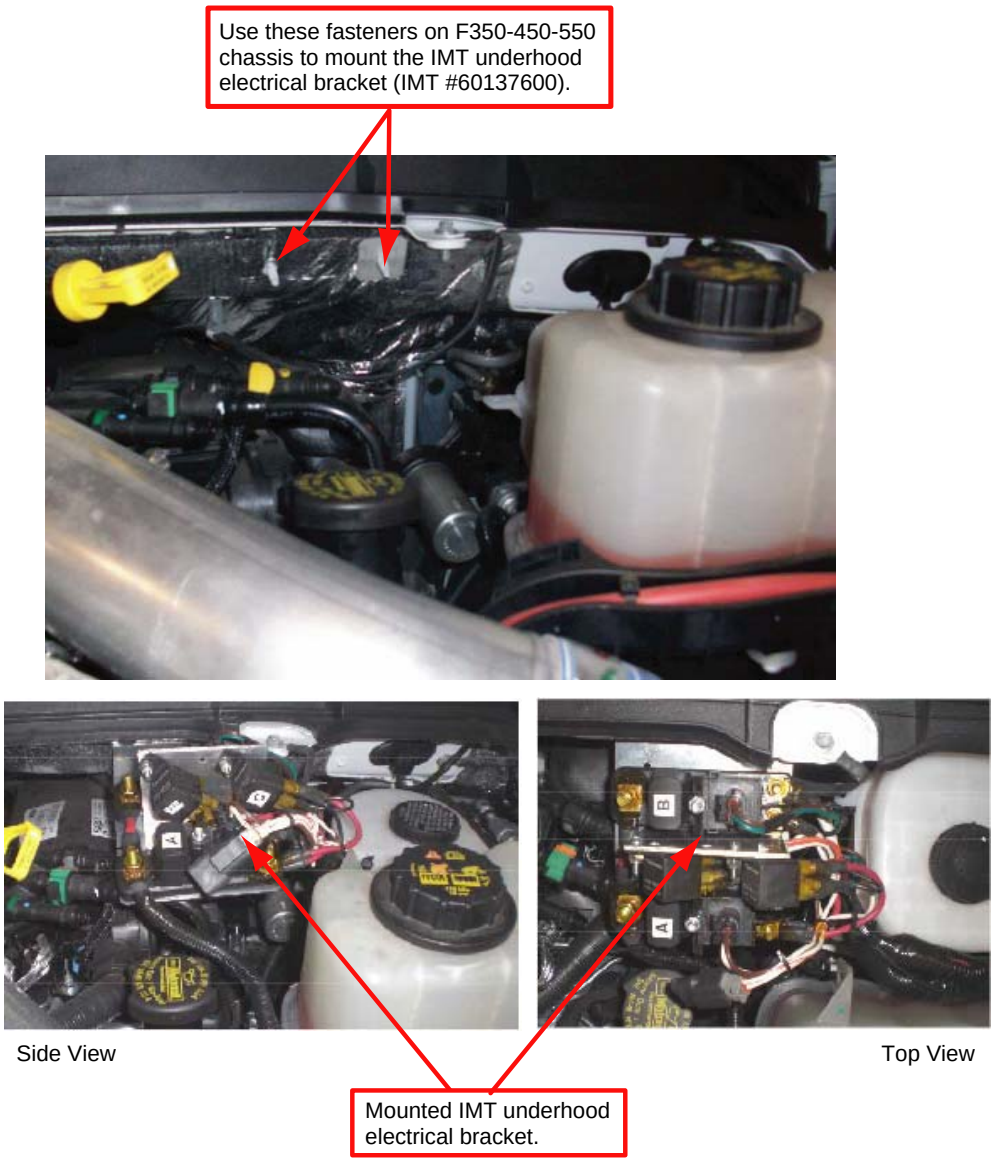


Installation, DEF Tank Hoses on 2011 Ford F550 (99904938)

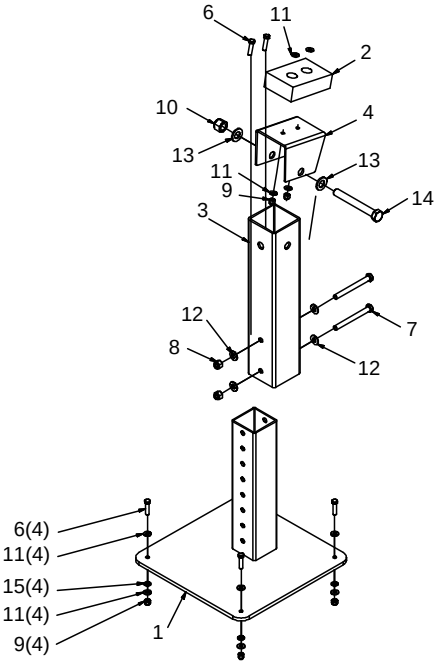


Underhood Electrical Installation, 2011 F350-450-550 (99905200)

Underhood mounting location for 60137600-Electrical Relay Mounting Bracket for F350-450-550 chassis MY 2011 and beyond.


Use these fasteners on F350-450-550 chassis to mount the IMT underhood electrical bracket (IMT #60137600).
Side View
Top View
Mounted IMT underhood electrical bracket.

Boom Support, Adjustable, 3820-5020-5525-6025 (51718848)



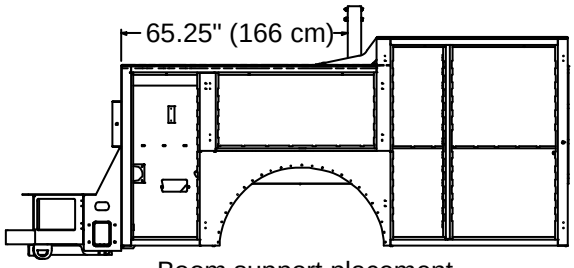
NOTE:

1 Hardware included in kit # 51718794.

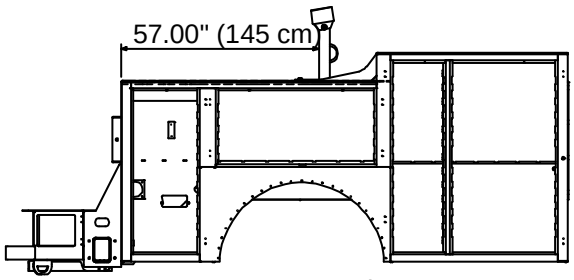
2 Rotate and arrange pedestal #1 and saddle #10 based on chassis exhaust.

51718848 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52718849	PEDESTAL-WLDMT ADJ	1
2.	60030464	WEAR PAD (WAS 60030306)	1
3.	60126561	TUBE-PEDESTAL	1
4.	60126563	SADDLE-BOOM SUPPORT DOM 3820 & UP	1
6.	72060048	CAP SCR .38-16X 1.50 HH GR5 Z	6
7.	72060101	CAP SCR .50-13X 5.00 HH GR5 Z	2
8.	72062080	NUT .50-13 HEX NYLOCK	2
9.	72062103	NUT .38-16 HEX NYLOCK	6
10.	72062114	NUT .75-10 HEX NYLOCK	1
11.	72063003	WASHER .38 FLAT (WAS 8)	12
12.	72063005	WASHER .50 FLAT	4
13.	72063008	WASHER .75 FLAT	2
14.	72601845	CAP SCR .75-10X 6.00 HH GR5 Z (WAS 72601845)	1
15.	76392821	WASHER-BONDED PLTD .38	4
REV D 20120120			

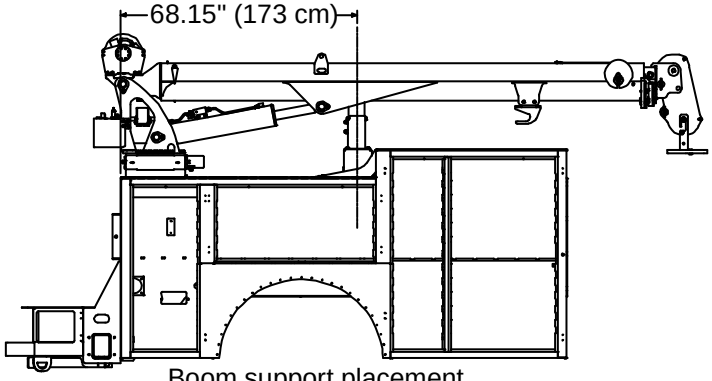
Boom Support Placement (99905157)



Boom support placement
for these cranes:
2020, 2820, 5005i, 6006i

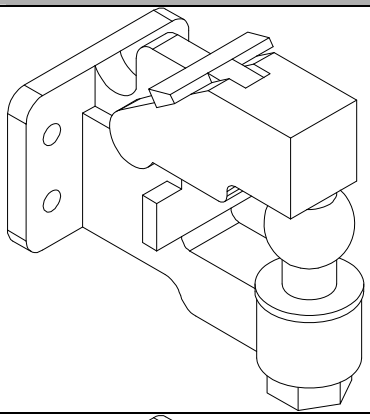
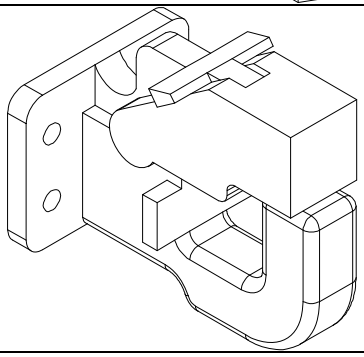
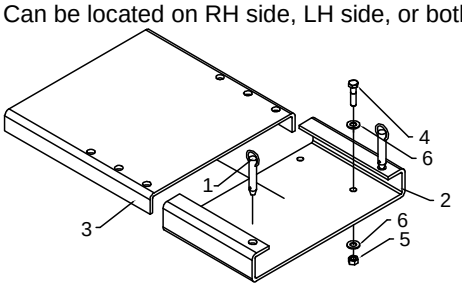
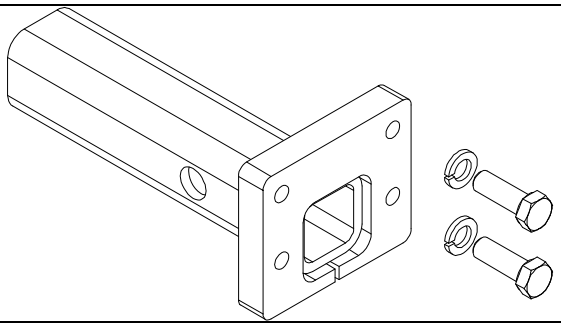


Boom support placement
for these cranes: 3203i & 4004i



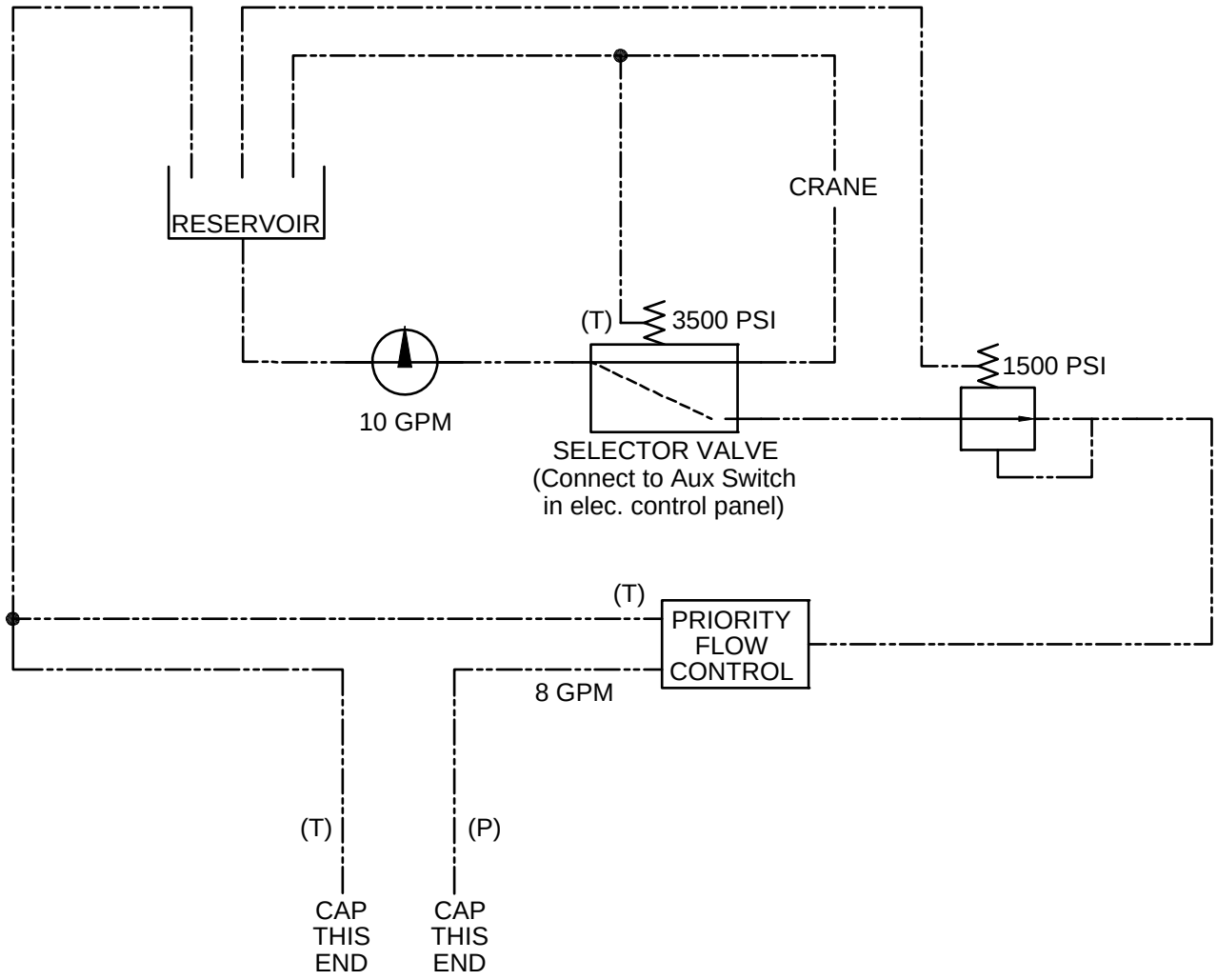
Boom support placement
for these cranes:
7500, 8600, 9500, 10000

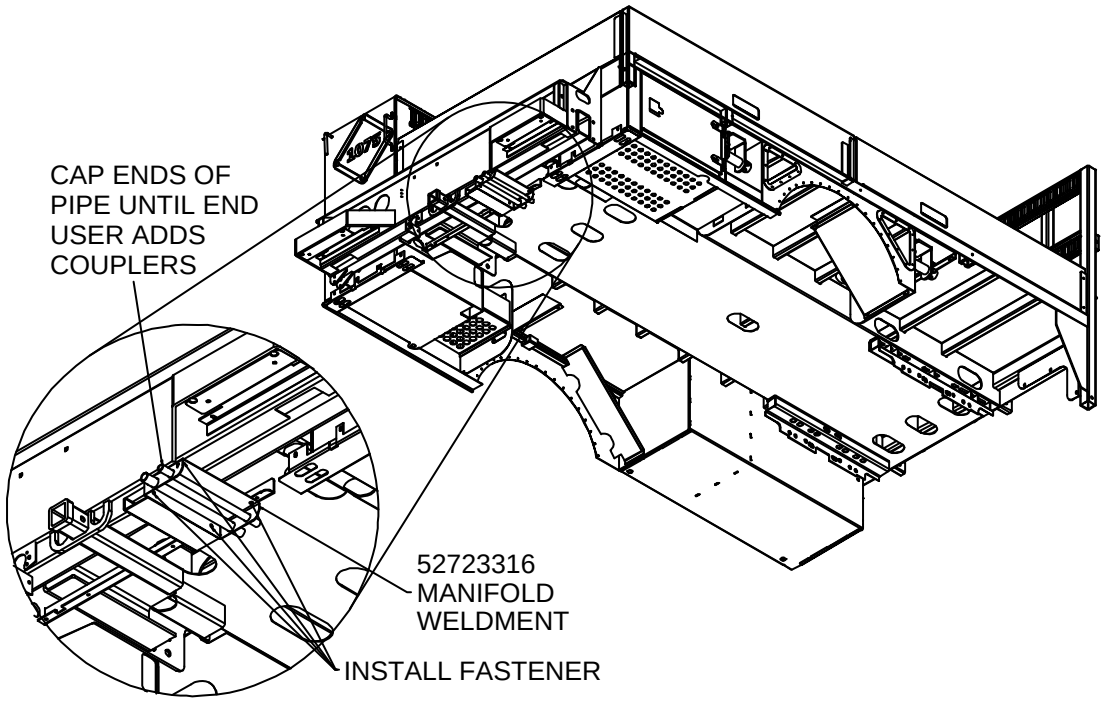
Bumper Hitch & Workbench Options

Dominator I/DSC20 Bumper Hitch & Workbench Options		
PART NUMBER	**DESCRIPTION**	**NOTES**
51709516	Pintle ball combination with 2" removable ball for hitch receiver mounting	
51709517	Hitch for hitch receiver mounting	
51710172	Vise mounting bracket	Can be located on RH side, LH side, or both with quantity of 2  Note: See drawing 99903161 for installation instructions.
70733332	Combination vise, 5"	Can be located on RH side, LH side, or both with quantity of 2
60117003	Vise plate, weld-on 12" x 12" x 1/2"	Can be located on RH side, LH side, or both with quantity of 2
51720004	Pintle hitch mount	

Installation, Tool Circuit, Propane Evacuation Pump (99905290)

Reference Tool Circuit Kit # 51724305




CAP ENDS OF
PIPE UNTIL END
USER ADDS
COUPLERS
52723316
MANIFOLD
WELDMENT
INSTALL FASTENER

CHAPTER 4

Compartment Options

In This Chapter

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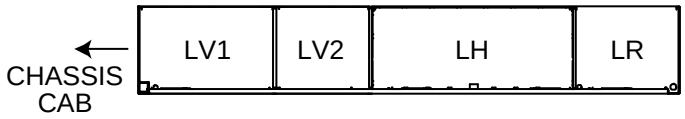
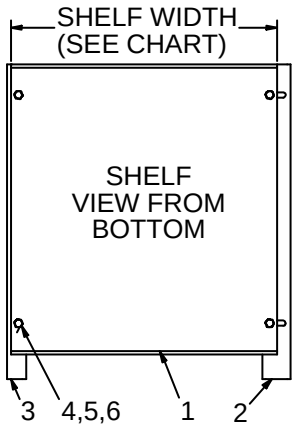
Propane Sidepack Shelf Parts (99903658)





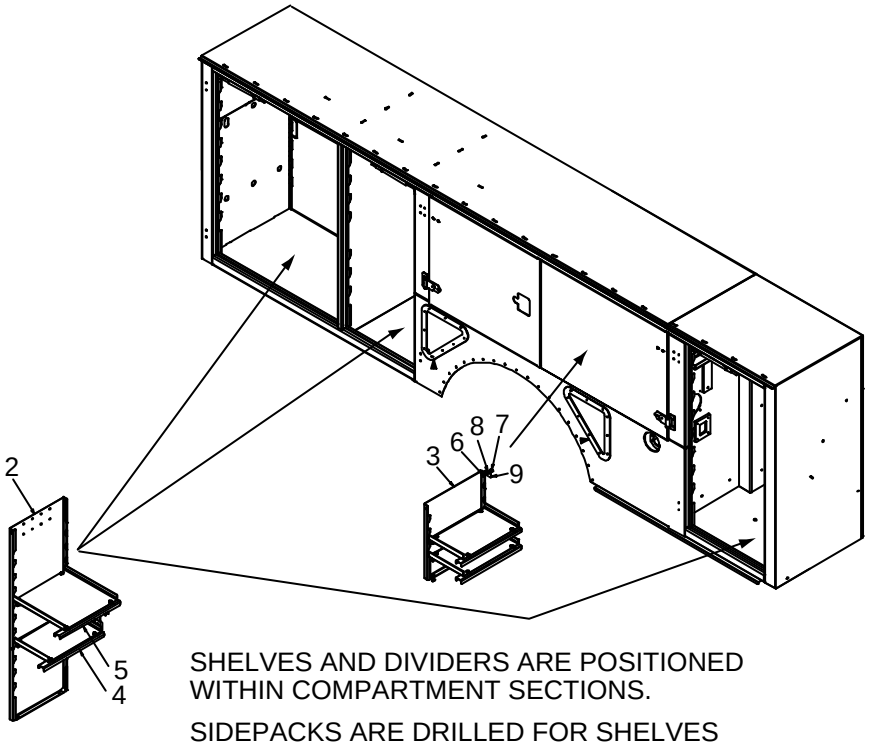
COMPARTMENT KEY	
LV1	LEFT VERTICAL 1
LV2	LEFT VERTICAL 2
LH	LEFT HORIZONTAL
LR	LEFT REAR

SHELF INSTALLATION PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	SEE CHART	SHELF	1
2.	SEE CHART	SHELF END	1
3.	SEE CHART	SHELF END	1
4.	72062109	NUT .31-18 HEX NYLOC	4
5.	72060023	CAP SCR .31-18X .75 HH	4
6.	72063002	WASHER .31 FLAT 18-8	4
REV. H 20060901			

COMPARTMENT LOCATION	ITEM #3 - SHELF END	ITEM #1 - SHELF	ITEM #2 - SHELF END	SHELF WIDTH (INCHES)	SHELF DIVIDER (60251115)	SHELF KIT NUMBER
LEFT VERTICAL 1	60126425	60126419	60126424	33.62		51718810 (1.5" DEEP SHELF)
	60126425	60126422	60126424	33.62	6 INCLUDED	51718811 (3" DEEP SHELF)
LEFT VERTICAL 2	60126429	60126418	60126424	17.5		51718812 (1.5" DEEP SHELF)
	60126429	60126421	60126424	17.5	4 INCLUDED	51718813 (3" DEEP SHELF)
LEFT HORIZONTAL	60126423	60133365	60126429	62.75		51722388 (1.5" DEEP SHELF)
	60126423	60133366	60126429	62.75	14 INCLUDED	51722387 (3" DEEP SHELF)
LEFT REAR	60126697	60126416	60126423	25.75		51718816 (1.5" DEEP SHELF)
	60126697	60126409	60126423	25.75	5 INCLUDED	51718817 (3" DEEP SHELF)

DIVIDER PANELS	ITEM #3 - SHELF END	ITEM #1 - SHELF	ITEM #2 - SHELF END	SHELF WIDTH (INCHES)	SHELF DIVIDER (60251115)	SHELF KIT NUMBER
20" TALL DIVIDER PANEL (51718829)	60126424	60126313	60126267	11.5		SHELVES INCLUDED
40" TALL DIVIDER PANEL (51720126)	60126424	60129733	60129732	11.5		51020122
	60126424	60129734	60129732	11.5	60251213 (3)	51720123
	60126424	60129737	60129732	17.5		51720124
	60126424	60129738	60129732	17.5	60251216 (4)	51720125
REV. M 20080214						

Installation Drawing, Shelves (99903658)

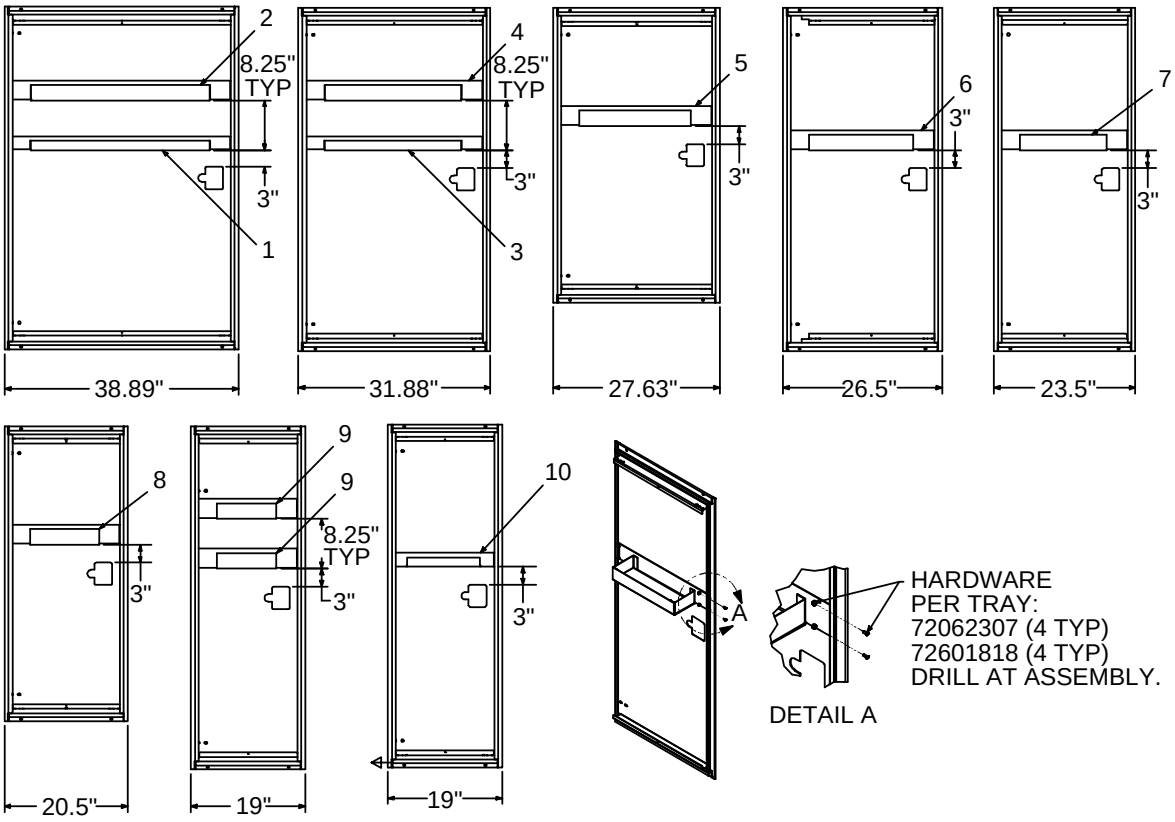


SHELVES AND DIVIDERS ARE POSITIONED WITHIN COMPARTMENT SECTIONS.

SIDEPACKS ARE DRILLED FOR SHELVES AND DIVIDERS AT ASSEMBLY.

99903658 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
2.	51720126	PANEL DIVIDER, DOMINATOR ADJUSTABLE SHELF, 44" W - 52" H	1
3.	51718829	PANEL DIVIDER DOM ADJ SHELF 22"H	1
4.	SEE CHART	SHELF KIT DOM 1.50"H 18.00 X 12.00	1
5.	SEE CHART	SHELF KIT DOM 1.50"H 18.00 X 18.00	1
6.	72601831	CAP SCR-SS .31-18X 1.00 HH	AS REQUIRED
7.	72062167	NUT-SS .31-18 HEX NYLOC	AS REQUIRED
8.	72062314	WASHER-SS-BONDED PLTD .31	AS REQUIRED
REV. H 20060901			

Installation Drawing, Door Trays (99903667)



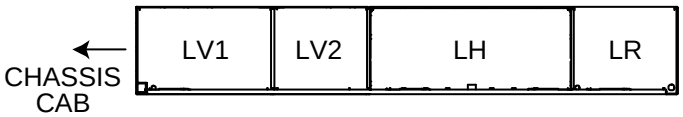
NOTE:

1 Position all tray applications 3.0" above latch hole opening. Space all double tray applications 8.25" apart.

99903667 PARTS LIST				
ITEM	PART #	KIT #	DESCRIPTION	QUANTITY
1.	52720635	51720645	TRAY-TORCH DOM 31.88 W-LATCH	REF
2.	52720636	51720646	TRAY-SPRAY CAN DOM 31.88 W DOOR	REF
3.	52718839	51718838	TRAY-TORCH DOM 31.88 W-LATCH	REF
4.	52718841	51718840	TRAY-SPRAY CAN DOM 31.88 W DOOR	REF
5.	52720227	51720230	TRAY-SPRAY CAN DOM 27.63 W DOOR	REF
6.	52720226	51720229	TRAY-SPRAY CAN DOM 26.50 W DOOR	REF
7.	52720225	51020228	TRAY-SPRAY CAN DOM 23.5 W DOOR	REF
8.	52719152	51719166	TRAY-SPRAY CAN DOM 20.50 W DOOR	REF
9.	52719153	51719167	TRAY-SPRAY CAN DOM 19.00 W DOOR	REF
10.	52713972	51713973	TRAY-WELDMENT TORCH DOM 19" W/LATCH	REF
NOTE: Not all trays are available on all models. Check the door widths on your model to determine appropriate options.				
REV. D 20081112				

Propane Parts List, Drawer Units and Kits

IMT offers drawer sets with 3, 5, and 7" high drawers in widths of 13, 26, and 39" wide. The charts below indicate which drawer sets can be used in which compartment.



COMPARTMENT KEY	
LV1	LEFT VERTICAL 1
LV2	LEFT VERTICAL 2
LH	LEFT HORIZONTAL
LR	LEFT REAR

The body configuration determines the rollout drawer sets which can be used in each body.

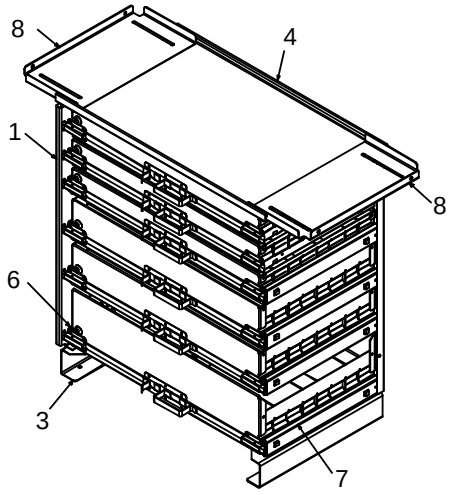
COMPARTMENT	DRAWER SET WIDTH
LEFT VERTICAL 1	26" Wide
LEFT VERTICAL 2	13" Wide
LEFT HORIZONTAL	39" Wide

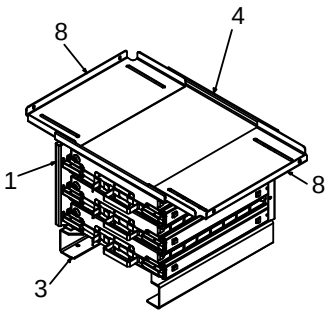
DRAWER SET WIDTH	COMPARTMENT APPLICATION	PART #	3" HIGH DRAWERS	5" HIGH DRAWERS	7" HIGH DRAWERS	DRAWER SET OVERALL HEIGHT
13" WIDE	LEFT VERTICAL 2	70733765	5			22"
		70733766		3		21"
		70733767	3	1		21"
		70733768	3			15"
		70733769		2	1	23"
		70733780	5	2	1	41"
		70733784	5	3		39"
		70733786	3	2	1	34"
		70733787	3	2	1	40"
		70733788	8	1		39"
		70733789	6	1		31"
		70733791	3	3		32"
		70733793	3	4		38"
26" WIDE	LEFT VERTICAL 1	70733774	5			22"
		70733775		3		21"
		70733776	3	1		21"
		70733777	3			15"
		70733778		2	1	23"
		70733779	5	2	1	41"
		70733781	3	2	1	34"
		70733782	8	1		39"
		70733783		5	1	40"
		70733785	5	3		39"
		70733790	6	1		31"
		70733792	3	3		32"
		70733794	3	4		38"

39" WIDE	LEFT HORIZONTAL COMPARTMENT	70733770	5			22"
		70733771		3		21"
		70733772	3	1		21"
		70733773		2	1	23"

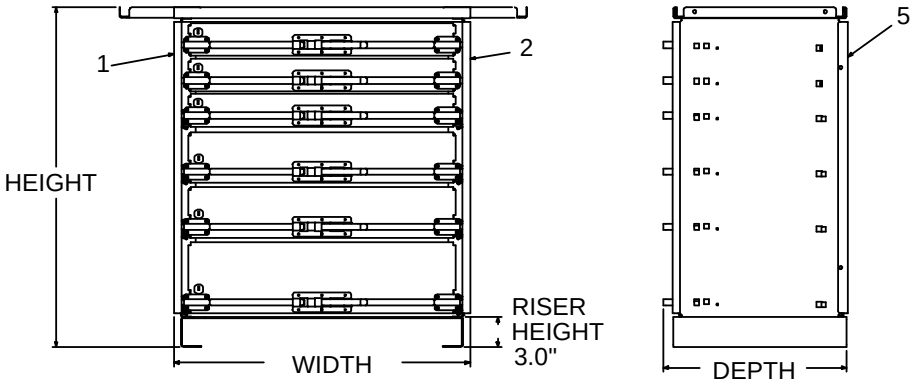
Drawer Set Reference Drawing

SAMPLE DRAWER SET
DRAWING WITH 3",
5", AND 7" HIGH DRAWERS.





SAMPLE DRAWING
WITH 3" DRAWERS ONLY



NOTE:

1 Complete drawer set part numbers are included in ***Propane Parts List, Drawer Units and Kits*** (on page 50).

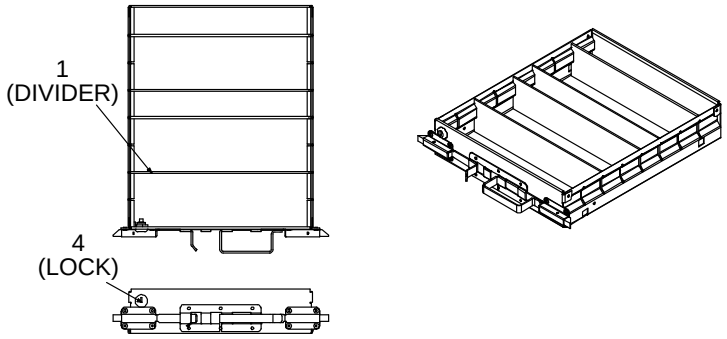
2 The quantity of items 1- 5, panels, risers, and shelves, is 1 per drawer set.

3 The quantities of items 6 - 11, slides and drawers, are based on the number of drawers in the complete kits.

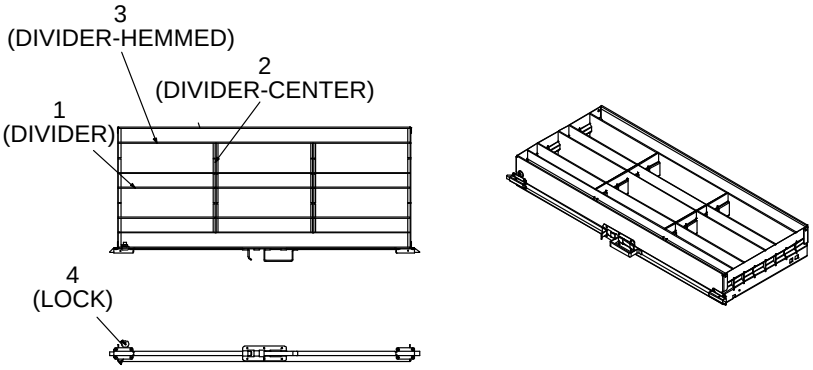
ITEM	DESCRIPTION	13" SET	26" SET	39" SET
1.	PANEL-SIDE, LH	REF	REF	REF
2.	PANEL-SIDE, RH	REF	REF	REF
3.	RISER	60130555	60130556	60130557
4.	SHELF	60130552	60130553	60130554
5.	PANEL-DRAWER BACK	REF	REF	REF
6.	DRAWER SLIDE W-TABS LH	70734171	70734171	70734171
7.	DRAWER SLIDE W-TABS RH	70734173	70734173	70734173
8.	SHELF-ADJUSTABLE END	60130659	60130659	60130660
9.	3" DRAWER	70733800	70733798	70733804
10.	5" DRAWER	70733802	70733799	70733805
11.	7" DRAWER	70733803	70733801	70733806

Drawer Components

SAMPLE DRAWING - DRAWER WITH 4 DIVIDERS



SAMPLE DRAWING - DRAWER WITH CENTER AND SIDE DIVIDERS



NOTE:

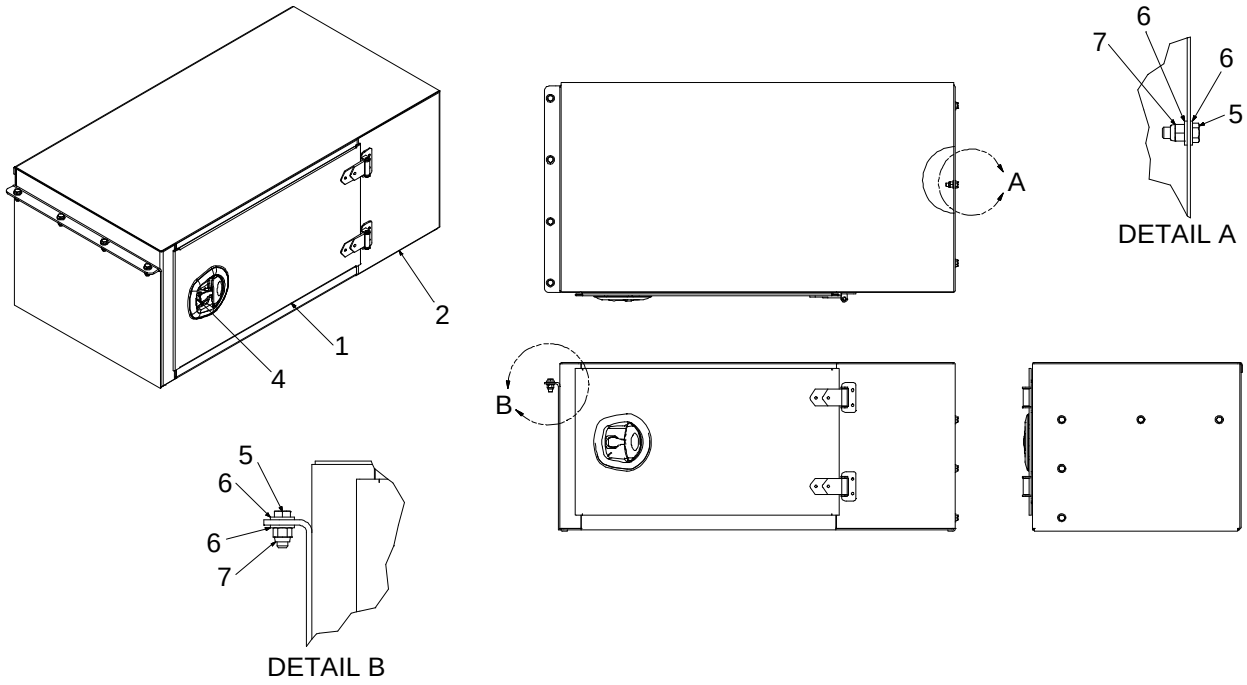
1 All drawers are painted.

2 Each IMT drawer comes with the standard lock 70734188. Optional replacement drawer lock sets are available for IMT drawers. Replacement lock sets 70734420 and 70734421 can be ordered from IMT customer service.

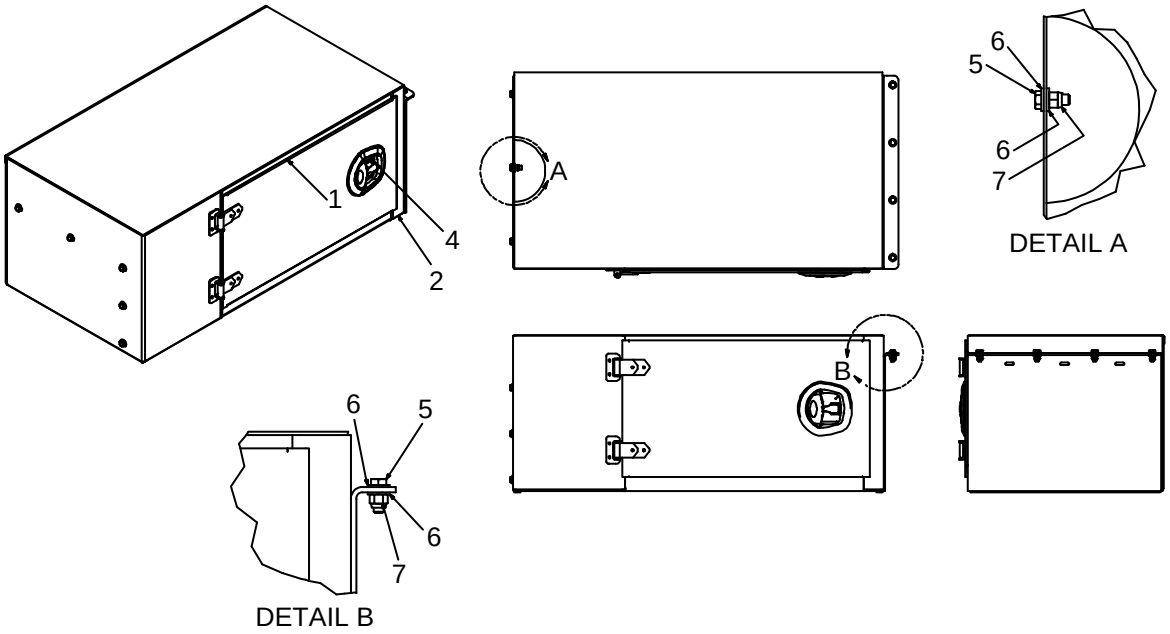
DRAWER PART #	DRAWER WITH DIVIDER DIMENSIONS	DRAWER COMPONENT PART NUMBERS (QUANTITY IN PARENTHESES)		
		ITEM 1-DIVIDER	ITEM 2- DIVIDER, CENTER	ITEM 3- DIVIDER, HEMMED
70733800	3" H X 13" W	60251081 (4)		
70733802	5" H X 13" W	60251233 (4)		
70733803	7" H X 13" W	60251233 (4)		
70733798	3" H X 26" W	60251081 (6)	60130560 (1)	60130558 (2)
70733799	5" H X 26" W	60251233 (6)	60130561 (1)	60130559 (2)
70733801	7" H X 26" W	60251233 (6)	60130561 (1)	60130559 (2)
70733804	3" H X 39" W	60251081 (9)	60130560 (2)	60130571 (2)
70733805	5" H X 39" W	60251233 (9)	60130561 (2)	60130572 (2)
70733806	7" H X 39" W	60251233 (9)	60130561 (2)	60130572 (2)

Bolt-on Underbody Toolboxes

Right-Front Toolbox (51723154)



Left-Front Toolbox (51723191)



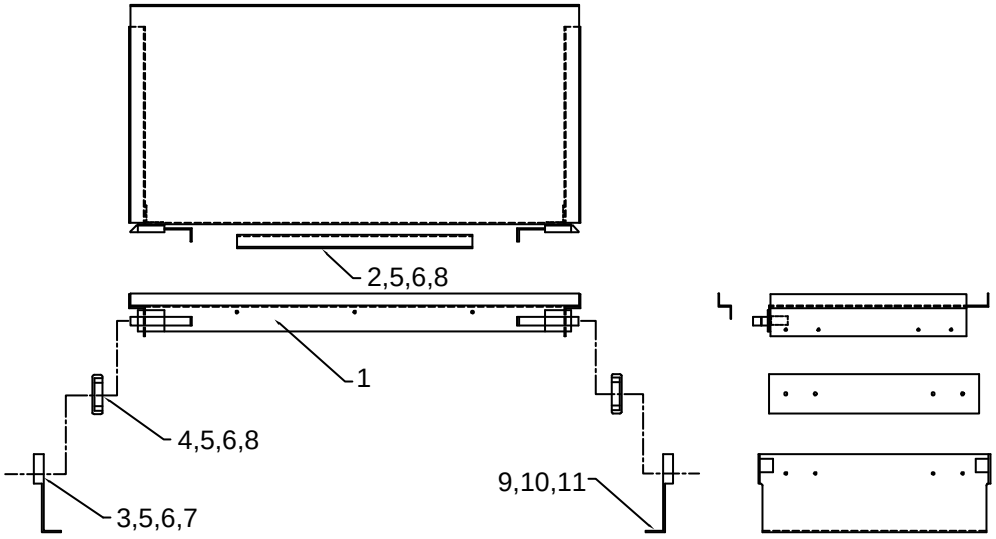
PARTS LISTS				
ITEM	PART #	DESCRIPTION		QUANTITY
1.	52723159	DOOR-WLDMT HEM D(II) 14.88H X 26.88W		1
2.	52723155	UNDERBODY TOOLBOX WELDMENT, PROPANE FRONT RIGHT	51723154 only	1
	52723191	UNDERBODY TOOLBOX WELDMENT, PROPANE FRONT LEFT	51723190 only	1
3.	72661383	HINGE-SS 10GA		2
4.	72661599	LATCH ASSEMBLY		1
5.	72060046	CAP SCR 3/8-16 X 1 HHGR5Z		9
6.	72063003	WASHER .38 FLAT		18
7.	72062103	NUT 3/8-16 HEX NYLOC		9
NEW 20100925				

Compartment Options

Part #	Dimensions / Description	Compartments Available
Roll-out Tool Box Tray		
51711548	Tray dimensions – 32"W x 18.5"D	LV1, LV2, RV1, RV2
Oxygen / Acetylene Tank Bracket		
51720021	Tank bracket – Oxy/Acet 3 tanks with hook	LV1, RV1
51719752	Tank bracket – Oxy/Acet 2 tanks with hook (Mounted on front wall in vented compartment)	LV1, RV1
Pull-out Drawer Sets		
51704193	4 drawer set with base 18"D x 8.12"W x 19"H	LV1, LV2, LV3, RV1, RV2, RV3, LH, RH, LR
51704194	5 drawer set with base 18"D x 8.12"W x 23"H	LV1, LV2, LV3, RV1, RV2, RV3, LR
51709946	16 bolt drawer set w/base 18"D x 16.25"W x 35.5"H	LV1, LV2, LV3, RV1, RV2, RV3, LR
51704282	18 bolt drawer set w/base 18"D x 16.25"W x 39.5"H	LV1, LV2, LV3, RV1, RV2, RV3, LR
51712650	2 drawer set with base 18"D x 8.12"W x 11"H	LV1, LV2, LV3, RV1, RV2, RV3, LH, RH, LR
Slide-out Parts Book Tray		
51713240	Slide out parts / book tray	LH, RH
Bookshelf		
51710102	Bookshelf dimensions 8"H x 45"L x 12"D	RH, LH
51707629	Bookshelf dimensions 8"H x 26"L x 12"D	RH, LH

Note: Left Vertical Compartment 3 (LV3) and Right Vertical Compartment 3 (RV3) are only available on Dominator I and II 13' and 14' models, and may not be available on your model. Check your product specifications.

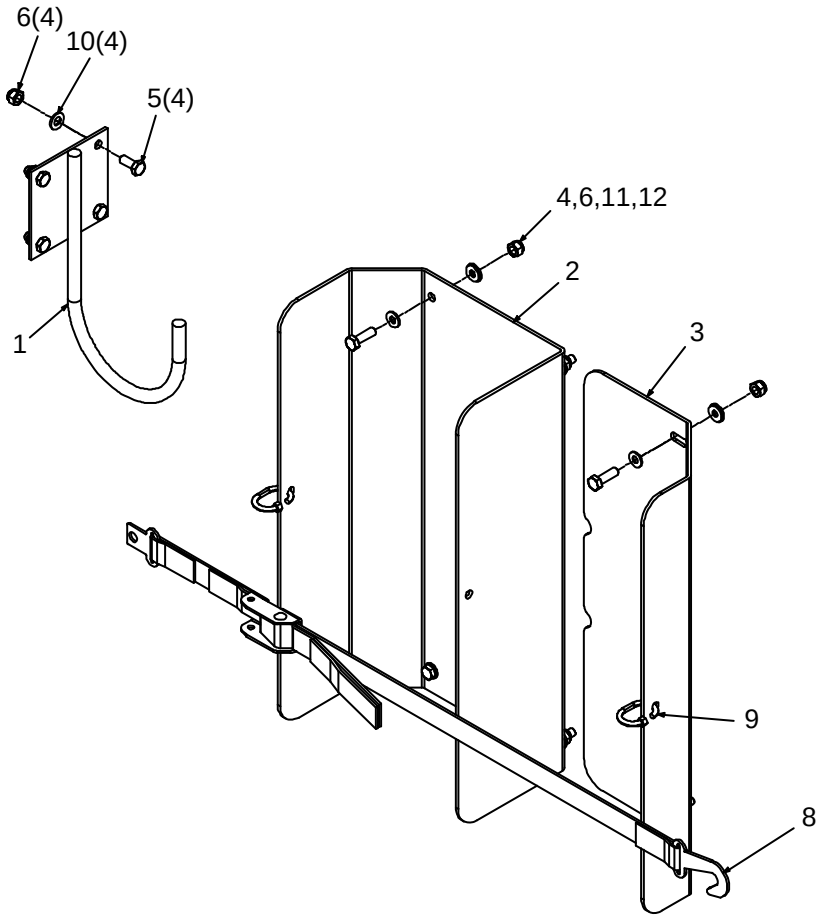
Tool Box Tray (51711548)



51711548 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52711606	TRAY 16-3/4 X 32	1
2.	60117163	MTG BRACKET 32"	1
3.	60114300	MTG BRACKET	2
4.	70731440	DRAWER SLIDE	2
5.	72062106	NUT #10-24 LOCK	19
6.	72063123	WASHER #10 WRT	19
7.	72601284	MACH SCR #10-24 X 5/8 FLHD	8
8.	72601283	MACH SCR #10-24 X 5/8 RDHD	11
9.	72601329	CAP SCR 5/16-18X3/4 BTNHD	4
10.	72063002	WASHER 5/16 WRT	4
11.	72062109	NUT 5/16-18 LOCK	4

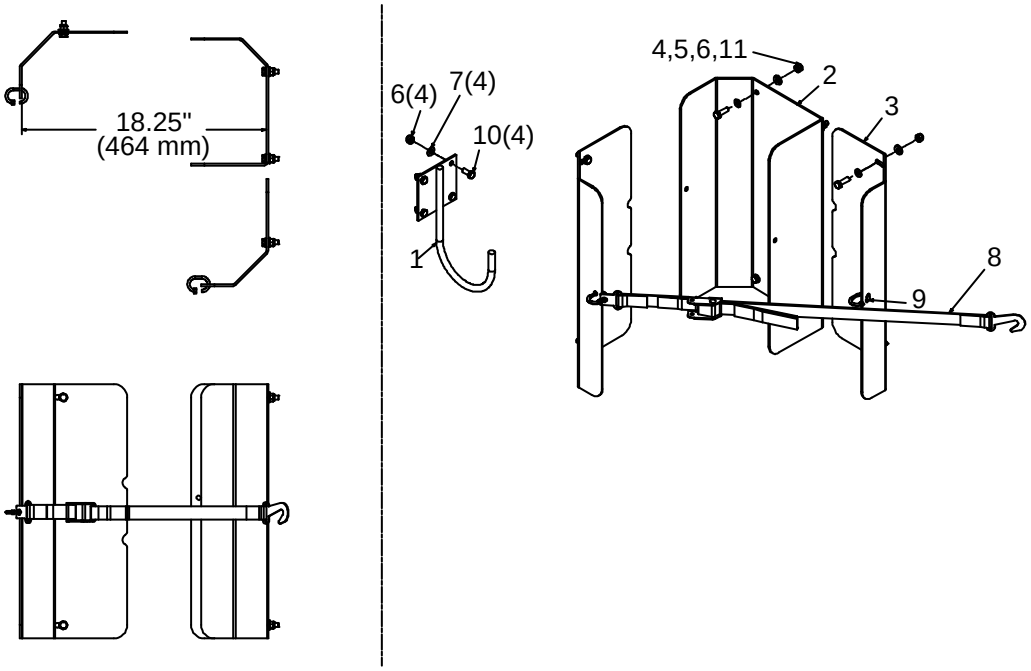
REV. A 20041230

Tank Bracket, 2-Bottle (51719752)



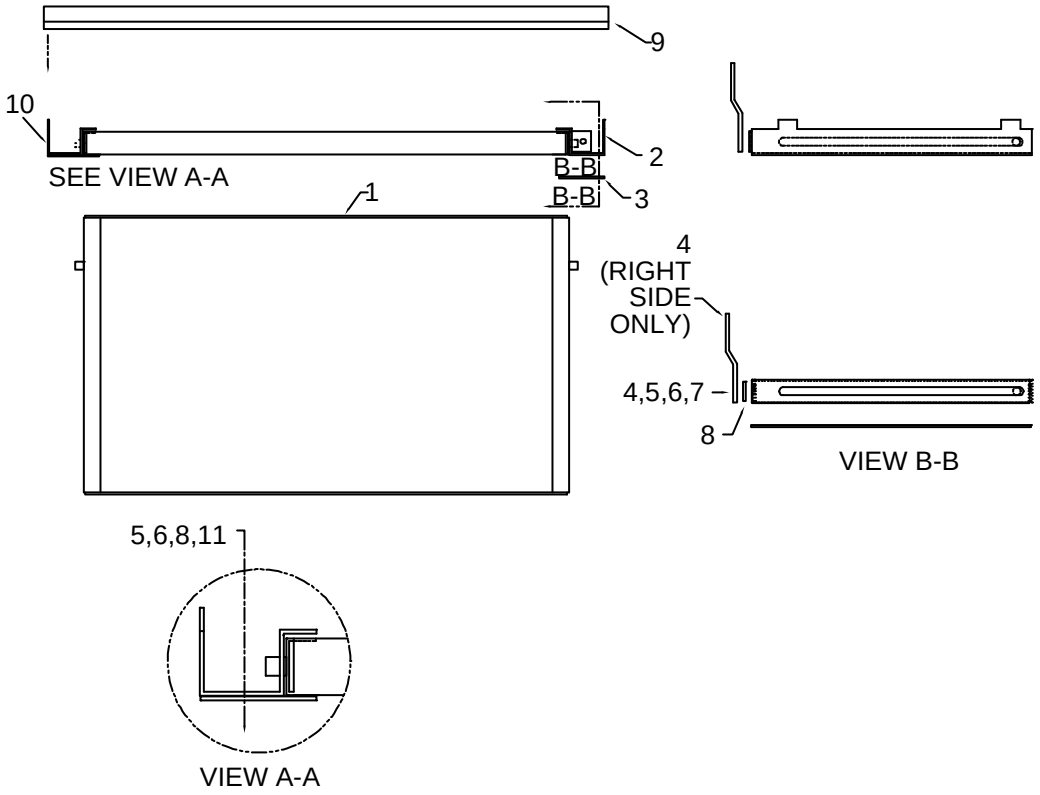
51719752 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52704224	HOOK-WLDMT (J) (BOLT IN)	1
2.	60129198	BRACKET ACET BOTTLE	1
3.	60129197	BRACKET OXY BOTTLE	1
4.	72063001	WASHER .25 FLAT (WAS 12)	6
5.	72060023	CAP SCR .31-18X .75 HH GR5 Z (WAS 6)	4
6.	72062109	NUT .31-18 HEX NYLOCK	10
8.	70733516	STRAP-36" BOTTLE HOLDER W/ SNAP HOOK	1
9.	70058959	CHAIN CONNECTOR-THREADED .19	2
10.	72063002	WASHER .31 FLAT	4
11.	72060025	CAP SCR .31-18 x 1.00 HHGR5Z	6
12.	76392598	WASHER-BONDED PLATED .31	6
REV C 20110920			

Tank Bracket, 3-Bottle (51720021)



51720021 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52704224	HOOK-WLDMT (J) (BOLT IN)	1
2.	60129198	BRACKET OXY/ACET BOTTLE	1
3.	60129197	BRACKET OXY/ACET BOTTLE	2
4.	72063001	WASHER .25 FLAT (WAS 10)	8
5.	72060025	CAP SCR .31-18X 1.00 HH GR5 Z (WAS 6)	8
6.	72062109	NUT .31-18 HEX NYLOCK (WAS 10)	12
7.	72063002	WASHER .31 FLAT	4
8.	70733516	STRAP-36" BOTTLE HOLDER W/ SNAP HOOK	1
9.	70058959	CHAIN CONNECTOR-THREADED .19	2
10.	72060023	CAP SCR .31-18X .75 HH GR5 Z	4
11.	76392598	WASHER-BONDED PLATED .31	8
REV C 20110920			

Slide Out Tray (51713240)



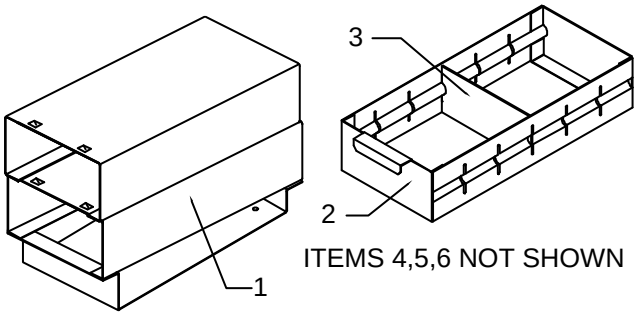
51713240 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52714765	SHELF	1
2.	60121211	MOUNTING BRACKET, HORIZONTAL (RIGHT HAND)	1
3.	60121212	SPACER-HORIZ BOOK TRAY	2
4.	60010921	LATCH-COMPRESSOR GATE	1
5.	72060025	CAP SCR 0.31-18 X1 HHGR5Z	5
6.	72062109	NUT 0.31-18 X HEX NYLOC ZINC	5
7.	72063050	WASHER 0.31 LOCK ZINC	1
8.	72063002	WASHER 0.31 W FLAT	9
9.	60121216	SHELF - ADJ	1
10.	60121215	BRACKET-MOUNTING (LEFT HAND)	1
REV. A 20060830			

Pull-Out Bin Sets

Pull-out bins are available for IMT Dominators in sets of 2, 4, 5, 16, and 18 units.

BIN SET PARTS LISTS			# BINS / QUANTITY				
ITEM	PART #	DESCRIPTION	2-BINS (51712650)	4-BINS (51704193)	5-BINS (51704194)	16-BINS (51709946)	18-BINS (51704282)
1.	52712651	CABINET (2-BIN SET)	1				
	52710227	CABINET (4-BIN SET)		1			
	52710226	CABINET (5-BIN SET)			1		
	52710235	CABINET (16-BIN SET)				1	
	52710234	CABINET (18-BIN SET)					1
2.	52710274	BIN	2	4	5	16	18
3.	60114979	DIVIDER 3.38X7.62	8	12	15	48	54
4.	72060002	CAP SCR 1/4-20X3/4 HHGR5	4	4	4	8	8
5.	72062104	NUT 1/4-20 LOCK	4	4	4	8	8
6.	72063001	WASHER 1/4 WRT	8	8	8	16	16

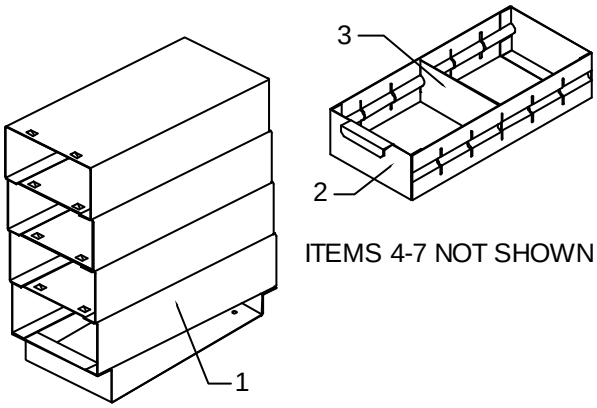
2-Bin Set with Base (51712650)



ITEMS 4,5,6 NOT SHOWN

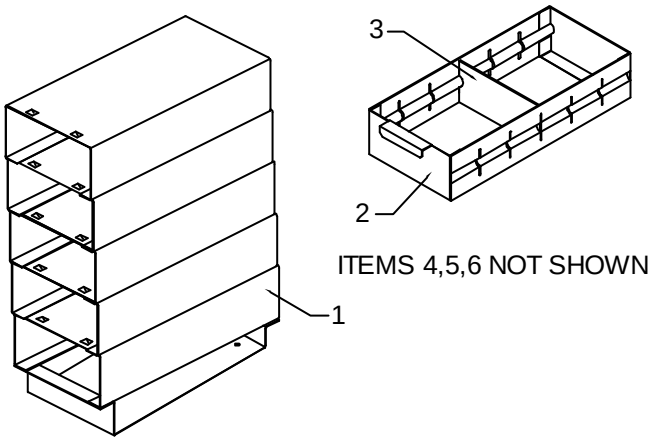
17" D x 8.13" W x 10.75" H

4-Bin Set with Base (51704193)



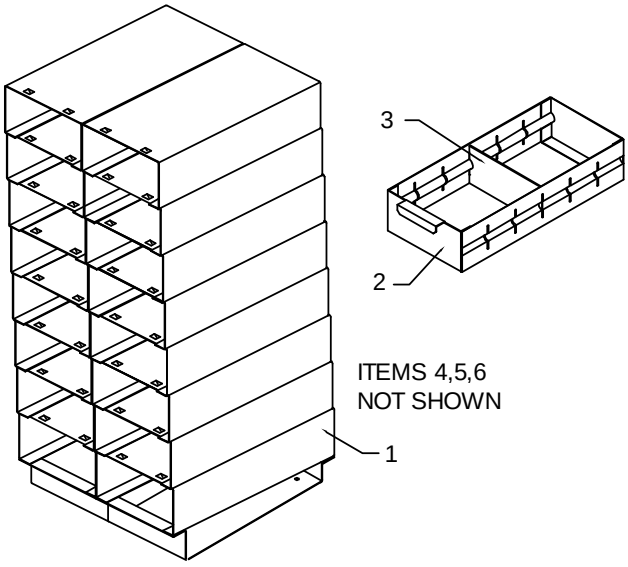
17" D x 8.13" W x 19" H

5-Bin Set with Base (51704194)



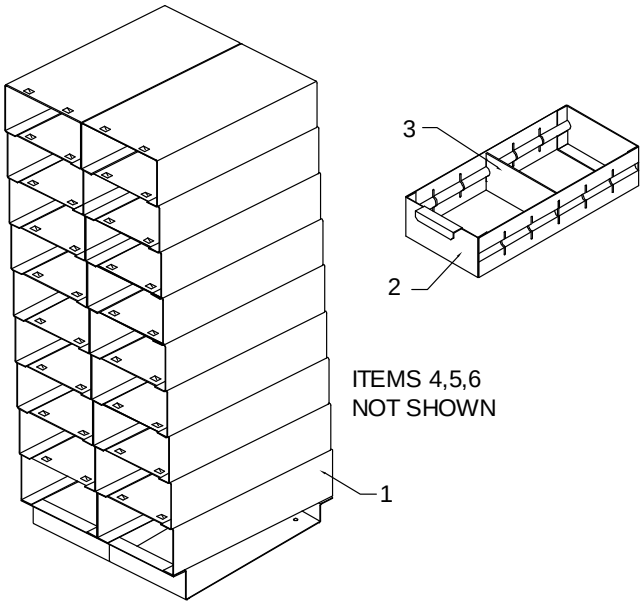
17" D x 8.13" W x 23" H

16-Bin Set with Base (51709946)



17" D x 16.26" W x 35" H

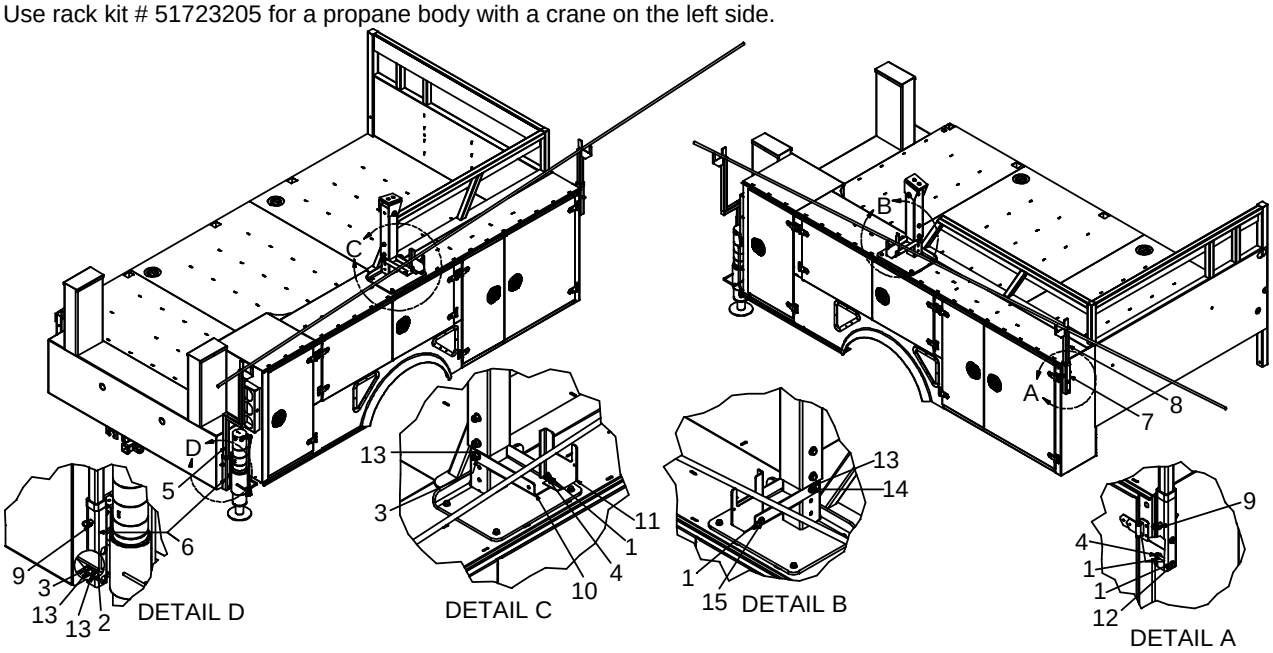
18-Bin Set with Base (51704282)



17" D x 16.26" W x 39" H

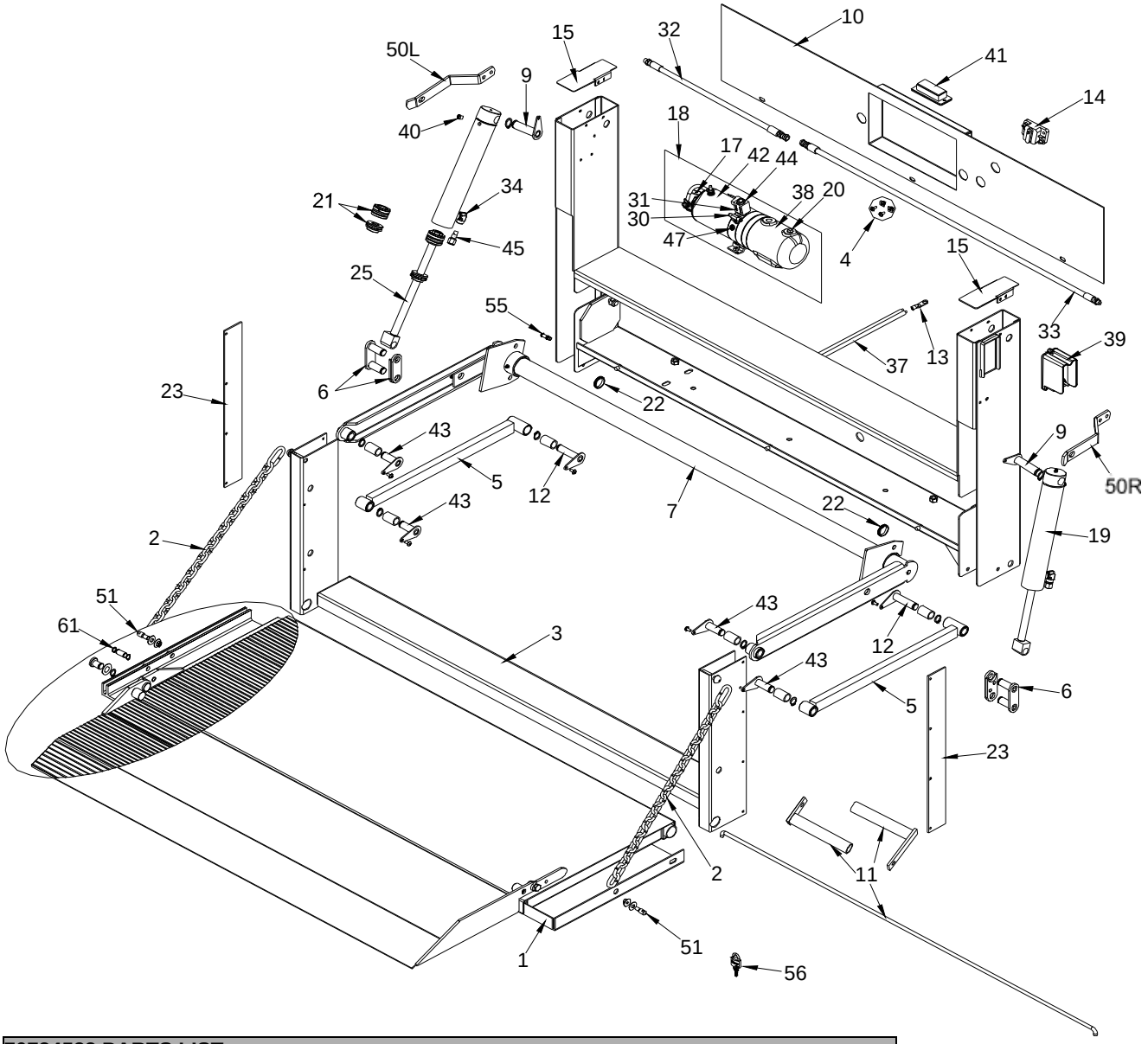
Pipe Rack Kit (99904883)

Use rack kit # 51722922 for a propane body with a crane on the right side.
Use rack kit # 51723205 for a propane body with a crane on the left side.



99904833 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	72063003	WASHER 3/8 FLAT	6
2.	72060094	CAP SCREW 1/2-13 X 1.75 HHGR5Z	2
3.	72062080	NUT 1/2-13 HEX NLOC	3
4.	72062103	NUT 3/8-16 HEX NYLOC	3
5.	52722899	RACK-PROPANE PIPE REAR	1
6.	60135480	TUBE-PROPANE PIPE RACK REAR	1
7.	52722898	BRACKET-PROPANE PIPE RACK FRONT RECEIVER	1
8.	52722900	RACK-PROPANE PIPE FRONT	1
9.	71732054	PIN-QUICK RELEASE 1/2D 2.5CRIT RNG	2
10.	60135545	BRACKET-PROPANE PIPE SUPPORT CENTER RH	1
11.	60135548	BRACKET-PROPANE PIPE HOLDER CENTER	1
12.	72060054	CAP SCREW 3/8-16 X 3 HHGR5Z	2
13.	72063005	WASHER 1/2 FLAT	6
14.	72060101	CAP SCREW 1/2-13 X 5 HHGR5Z	1
15.	72060046	CAP SCREW 3/8-16 X 1 HHGR5Z	1
NEW 20110107			

Loadgate (70734523)



70734523 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.		Platform	1
2.	73050196	Replacement Platform Chain	2
3.		Sub Assembly	1
4.		License Plate Mount Kit	1
5.	71414334	Replacement Lower Arm w/Pins & Bushings	2
6.	51723701	Replacement Clevis Cylinder Assembly	2
7.		Upper Arm Assembly	1
9.	71414335	7/8" Replacement Upright Back Cylinder Pin	2
10.		Replacement Box Cover	1

70734523 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
11.	70734574	Torsion Spring Kit (for 70734523 loadgate)	1
12.	71414336	3/4" Replacement Upright Back Arm Pin & Bushing	2
13.		Replacement Copper Lug	6
14.		(Not on IMT liftgate)	
15.		Replacement Upright Cap	2
17.	77041880	Replacement Raise Solenoid-3 Post	1
18.	77041881	Replacement Pump & Motor Unit(2500PSI)	1
19.	51723702	Replacement Cylinder (50)	2
20.	72534782	Replacement Vent Plug	1
21.	73050197	G2 Cylinder Repair Kit	2
22.		Replacement Split Plastic Grommet Kit	2
23.		Replacement Sub Assembly Belting (50)	2
25.		Replacement Cylinder Shaft Complete(50)	2
30.	73540438	Replacement Monarch Lee Check Valv	1
31.		Replacement T Fitting (Pump & Motor)	1
32.		Replacement 1/4"X26-1/4" Hydraulic Hose-Left	1
33.		Replacement 1/4"x85-3/4" Hydraulic Hose-Right	1
34.		Replacement 1/4"x1/4"x90 Degree Steel Cylinder Elbow	1
37.		Replacement 4 Ga. 2 Wire Electric Cable w/Lugs-33 ft.	1
38.	70734573	Replacement 3QT Monarch Plastic Tank	1
39.	77041882	Replacement Fixed Control	1
40.	72534783	Replacement Vent Plug - Cylinder	2
41.		Replacement License Plate Light & Bracket	1
42.	77041883	Replacement 12 Volt Motor-Only	1
43.	71414337	3/4" Replacement Upright Front Arm Pin	4
44.	77041884	Release Solenoid External Assembly w/Connector	1
45.	73540439	Replacement Flow Control	2
47.	51723703	Replacement Pump (only) w/3qt. Tank 1650 (2500PSI)	1
50L.	51723704	(50) Replacement Latch Kit-Left	1
50R.	51723705	(50) Replacement Latch Kit-Right	1
51.	51723706	Replacement Platform Latch Pin Assembly(G2)	2
55.		Replacement Drop Away Pin Assembly	1
56.		Replacement Padlock w/Keys	1
61.	71414338	Replacement Platform Chain Pin(1.079")	2

CHAPTER 5

Electrical Options & Installation

In This Chapter

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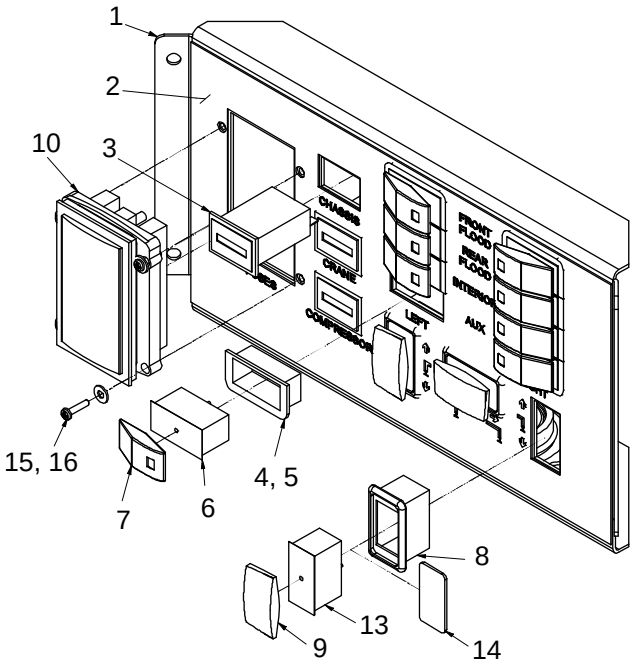
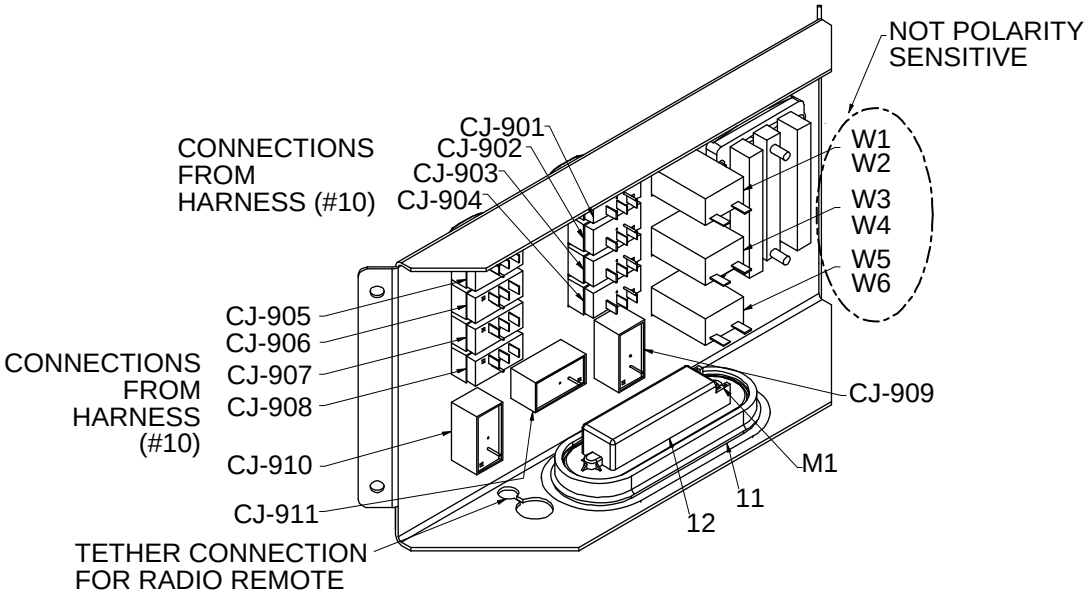
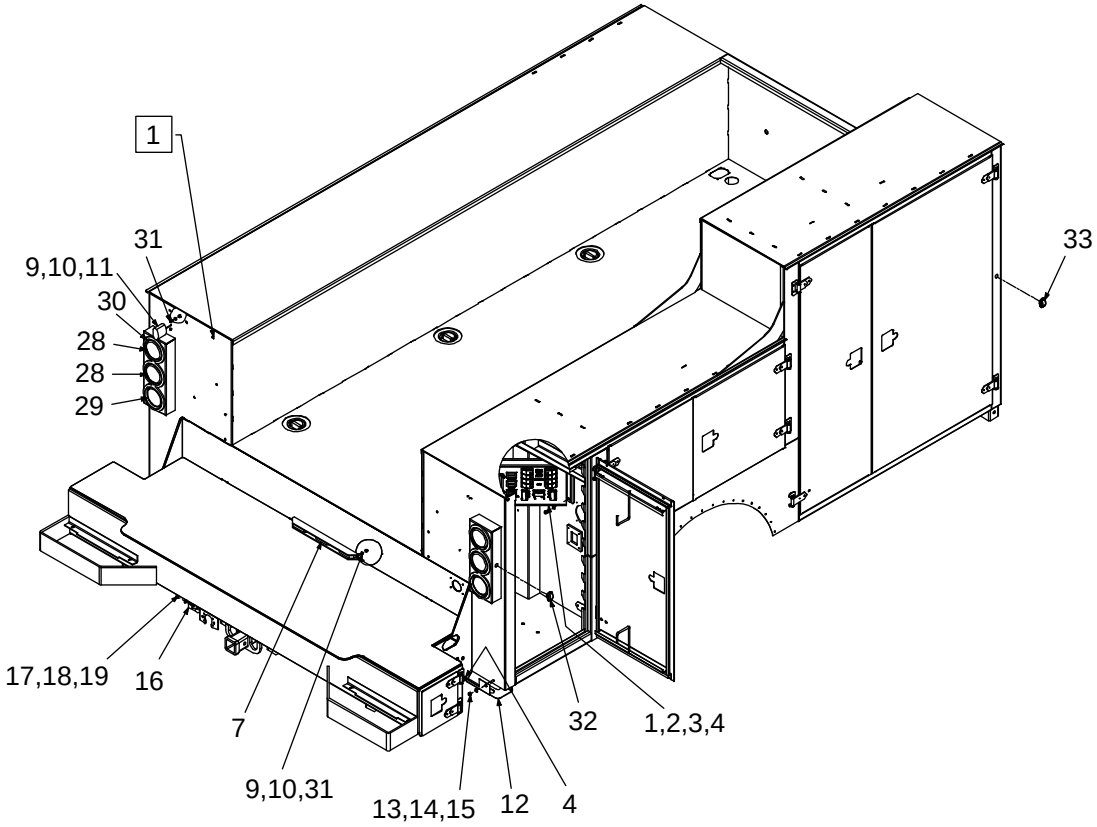
Electrical Panel (99903680)





99903680 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60251121	ELECTRICAL PANEL	1
2.	70396600	DECAL-ELECTRICAL CONTROL PANEL DOM	1
3.	70733496	METER-HOUR DATCON PUSH LOCK MOUNTING	3
4.	77041502	SWITCH-ROCKER MTG PANEL END	4
5.	77041504	SWITCH-ROCKER MTG PANEL MIDDLE	4
6.	77041500	SWITCH-ROCKER BODY	8
7.	77044779	SWITCH-ROCKER GREEN ACTUATOR	8
8.	77041689	SWITCH-ROCKER SINGLE MOUNTING PANEL	3
9.	77041688	SWITCH-ROCKER ACTUATOR - FROM STABILIZER KIT	A/R
10.	77441129	HARNESS DOM POWER PANEL	1
11.	76394572	GROMMET-2 X 6 OVAL CMPT LIGHT	1
12.	77040509	LIGHT-COMPARTMENT LED (WAS 77040384)	1
13.	77041687	SWITCH-ROCKER BODY MOMENTARY - FROM STAB KIT	A/R
14.	77041571	SWITCH-ROCKER PLUG	3
15.	72063181	WASHER-SS 10 WRT TYPE 304	4
16.	72060612	SCR-MACH # 8-32X .75 RDH	4
17.	70034061	TIES-PLASTIC .18W 12.00L BLACK	10
REV. A 20071003			

Electrical Installation (99904088) (Eff. 9-5-06)

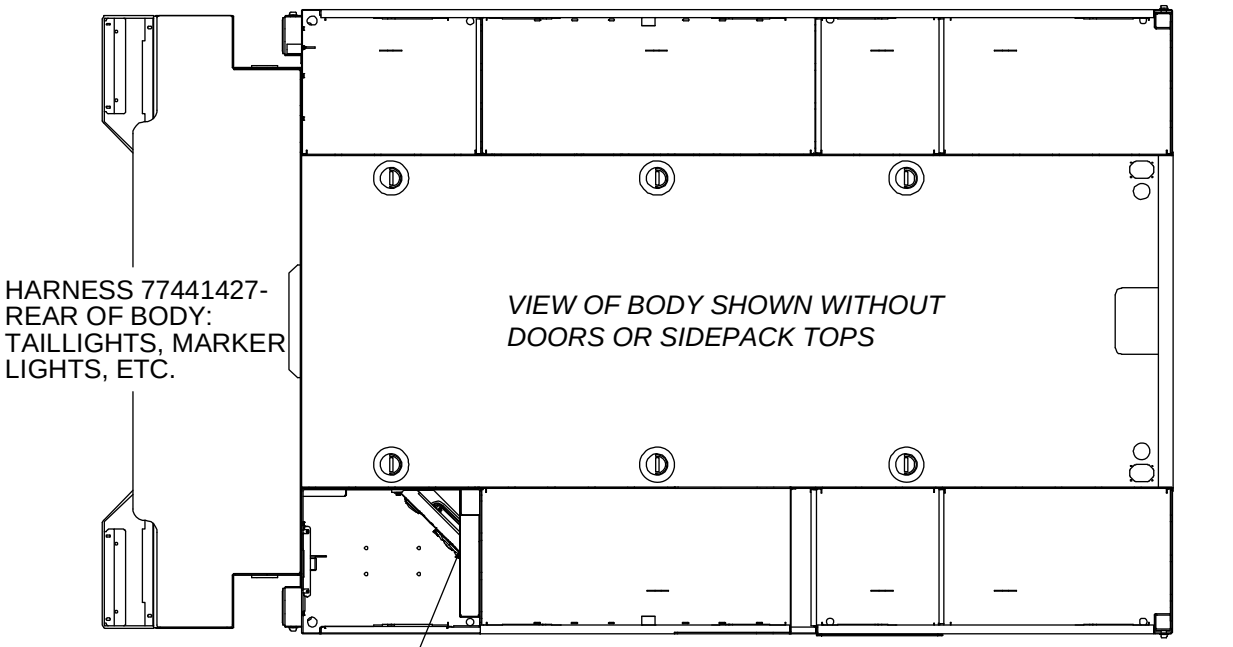


NOTES (SEE REFERENCE NUMBER IN BOX):

1 LICENSE PLATE KIT 51715985. TERMINATE WITH 77044690, 77045887 AND 70394069. GROUND EYELET FROM HARNESS ATTACHES TO ONE OF THE SCREWS.

2 CHASSIS GROUND AND BODY GROUND EYELETS FROM LIGHTING HARNESS SHOULD BE ATTACHED TO CHASSIS AND BODY, RESPECTIVELY. USE HARDWARE ITEMS #23, 24, 25, AND 26. DRILL AS NEEDED.

3 USE HEATSHRINK 77045926 TO PROTECT UNUSED COMPARTMENT LIGHT CONNECTOR.



NOTES (SEE REFERENCE NUMBER IN BOX):

1 EXTENSION HARNESS TO FRONT MARKER LIGHT AND FLOODLIGHTS. ONE PER SIDE

2 9' HARNESS - 77441128

3 11' HARNESS - 77441129

4 13', 14' HARNESS - 77441130

5 19' HARNESS - 77441432

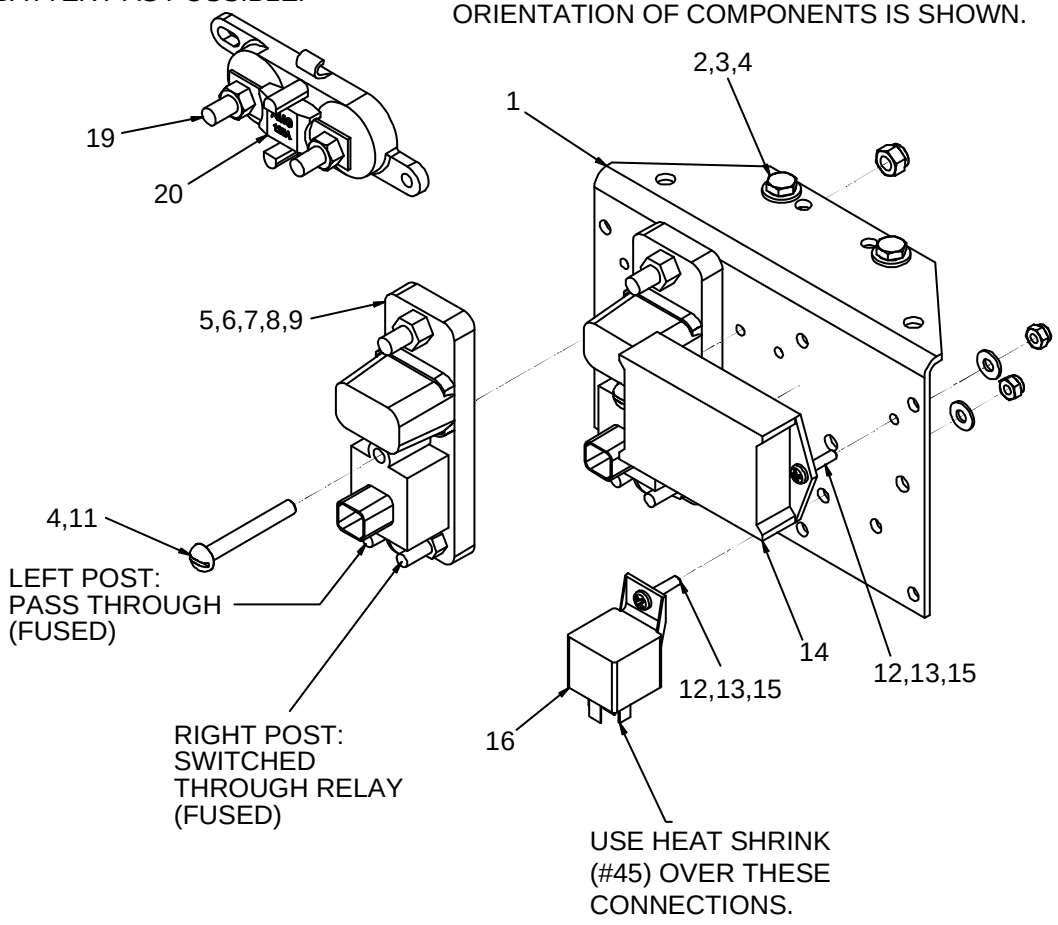
99904088 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51720172	ELECTRICAL PANEL (DOM4)	1
1.	51719191	ELECTRICAL PANEL (DOM1 & DOM2)	1
2.	72063050	WASHER .31 LOCK	4
3.	72060021	CAP SCR .31-18X .50 HH GR5 Z	4
4.	89396626	EDGING-PLASTIC BLK (DOM IV ONLY)	A/R
7.	77040483	LIGHT-3-BAR LED	1
8.	72063000	WASHER .19 W FLAT ANSI B27.2Z	5
10.	72062106	NUT 10-24 HEX NYLOCK	4
11.	77441004	LIGHT-LICENSE PLATE	1
12.	60130829	MTG BRACKET-WIRE HARNESS (DOM IV)	2

99904088 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
12.	60120705	MTG BRKT-WIRE HARNESS (DOM I AND II)	2
13.	72060025	CAP SCR .31-18X 1.00 HH GR5 Z	6
14.	72063002	WASHER .31 FLAT	6
15.	72062109	NUT .31-18 HEX NYLOCK	6
16.	77040020	ALARM-BACK UP HORN	1
17.	72060005	CAP SCR .25-20X 1.25 HH GR5 Z (WAS 72060002)	2
18.	72063001	WASHER .25 FLAT	2
19.	72062104	NUT .25-20 HEX NYLOCK	2
23.	72060047	CAP SCR .38-16X 1.25 HH GR5 Z	2
24.	72063003	WASHER .38 W FLAT ANSI B27.2Z	2
25.	72063051	WASHER .38 LOCK ZINC	2
26.	72062103	NUT .38-16 HEX NYLOC ZINC	2
28.	77040493	LIGHT-STOP/TURN/TAIL LED 4in DIA (WAS 77040432)	4
29.	77040180	LIGHT-BACKUP 4" CLEAR	2
30.	76392275	GROMMET-RUBBER TAIL LIGHT 4"	6
31.	72060636	SCR-MACH #10-24X .75 RDH PH ZINC	4
32.	77040570	LIGHT-CLEARANCE RED LED OVAL W/GROMMET	2
33.	77040569	LIGHT-CLEARANCE AMBER LED OVAL W/GROMMET	2
REV. F 20111130			

Chassis Electrical Installation (99904034) (Eff. 9-1-06)

IF THE WIRE BETWEEN THE POWER MODULE (#5) AND THE BATTERY IS LONGER THAN 24" INSTALL PARTS #19 AND #20 IN-LINE, AS CLOSE TO THE BATTERY AS POSSIBLE.

EXTRA HARDWARE AND BRACKET (#51) ARE SUPPLIED FOR MOUNTING AS NECESSARY. THE RECOMMENDED ORIENTATION OF COMPONENTS IS SHOWN.

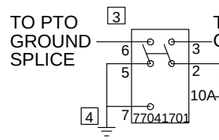


99904034 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60128133	BRACKET-EFM	1
2.	72060003	CAP SCR .25-20X .88 HH GR5 Z	4
3.	72063001	WASHER .25 FLAT	4
4.	72062104	NUT .25-20 HEX NYLOCK	6
5.	77040490	RELAY-12 VOLT POWER RELAY MODULE	2
6.	77041712	FUSE-FMX 30 AMP PINK	1
7.	77041713	FUSE-FMX 40 AMP GREEN	1
8.	77041711	FUSE-FMX 20 AMP BLUE	1
9.	77041714	FUSE-FMX 60 AMP YELLOW	1
10.	77040491	CONNECTOR - 2 CAV FEMALE	2
11.	72060654	SCR-MACH .25-20X 2.00 RDH ZINC	2

12.	72062207	NUT 8-32 HEX NYLOCK	3
13.	72063181	WASHER-SS 10 WRT TYPE 304	3
14.	51717388	KIT-EFM (ENGINE FUNCTION MODULE)	1
15.	72060612	SCR-MACH # 8-32X .75 RDH	3
16.	77041251	RELAY-12V 30 AMP NOM/40 AMP MAX	1
17.	77040053	TERM-RING I .25 STUD 12-10 GA	1
18.	77040354	TERM-RING NI .25 STUD 8 WIRE	2
19.	77441116	FUSEHOLDER-HIGH AMP2 BOLT WITH COVER	1
20.	77441115	FUSE-AMG-125 AMP	1
21.	77040045	TERM-RING NI .31 STUD 6 WIRE	6
22.	77040492	TERM-RING NI .25 STUD 6 WIRE	1
23.	77045948	TERM-FEM MP 16-18 AWG	4
24.	77045949	SEAL-MP RED CABLE SEAL	4
25.	77040137	TERM-FEM SLIP ON12-10/.25 TAB	2
26.	77040186	TERM-FSLPON I .25TAB 16-14 GA	2
27.	51719331	KIT-DIODE DEUTSCH DT SERIES	3
28.	51719332	KIT-SPLICE METRIPACK 6 PIN	4
29.	77044984	WIRE-6 GA GXL RED	A/R
30.	77441199	HARNESS DOM CHASSIS DOM4	1
30.	77441130	HARNESS DOM CHASSIS DOM1 & DOM2	1
42.	89044232	WIRE-14GA RED STRD TYPE GPT	A/R
43.	89044274	WIRE-14GA BLACK STRD TYPE GPT	A/R
44.	89396659	TUBE-HEAT SHRINK .38X 2IN DOUBLE WALL	8
45.	77045926	TUBE-HEAT SHRINK-1.5 INCH DUAL WALL 4FT	0.0833
46.	89393368	TUBE-HEAT SHRNK .25X 6"LG (OBS)	2
48.	77040473	TERM-RING NI .38 STUD 6 WIRE	1
49.	77044651	TERM-RING .38 STUD 16-14 GA	1
50.	89044363	WIRE-12GA WHITE STRD TYPE GPT	4
51.	60025470	ANGLE-AL .12X1.00X1.00X 4.00	1
52.	70034061	TIES-PLASTIC .18W 12.00L BLACK	6
53.	77441110	CABLE POWER RED #6 X 36	1
REV A 20060922			

99904034 DRAWING

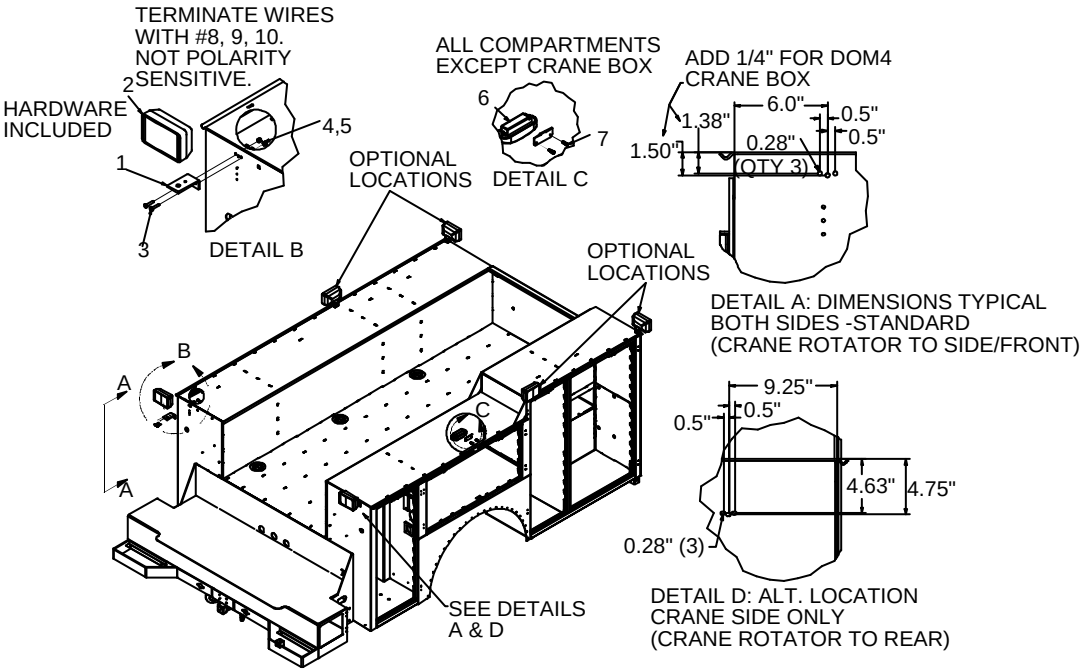
99904034-AUTOMATIC
SINGLE PTO (MUNCIE/CHELSEA)
ALLISON MD (6000/4000) SERIES TRANSMISSION



NOTE: 77041701 WILL ENGAGE THE PTO AND PROVIDE A GROUND SIGNAL TO THE IMT CHASSIS ELECTRICAL WIRING WHEN THE SWITCH IS ACTIVE. THIS ALLOWS ENGINE START TO FUNCTION IF THE PRESSURE SWITCH ON THE PTO OPENS (AFTER ENGINE KILL OCCURS, FOR EXAMPLE.)

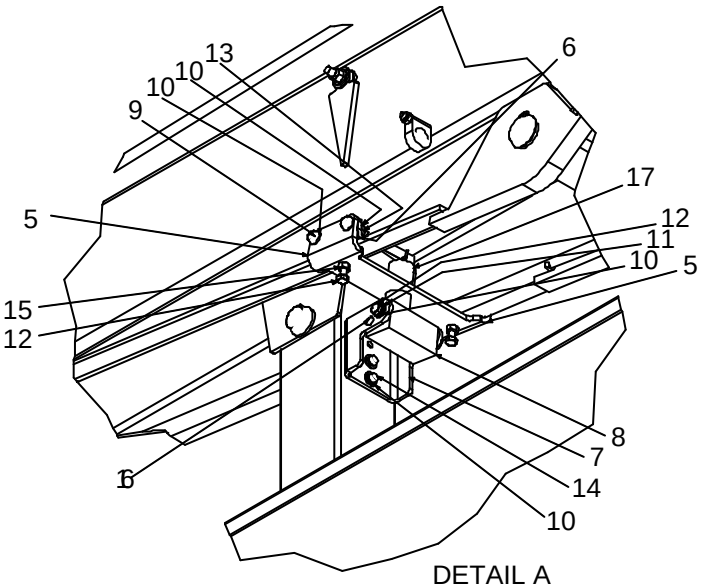
POWER/RELAY MODULE - #5
POWER/RELAY MODULE - #5
125A
40A
20A
30A
60A
70A
70A
BATTERY
CHASSIS IGNITION
E-BRAKE (SWITCH SUPPLIED AS PART OF CHASSIS)
E-BRAKE SPLICE
PTO GROUND SPLICE
SWITCH AND LIGHT SUPPLIED WITH PTO
IGNITION POWER SPLICE
GROUND SPLICE
CONNECTIONS TO HARNESS #30
INTERLOCK POWER
IGNITION POWER
BATTERY POWER
IGNITION & E-BRAKE POWER
ENGINE SPEED
ENGINE STOP
ENGINE START
RELAY #1
RELAY #2
RELAY #3
RELAY #4
E-BRAKE
IGNITION POWER
GROUND
1L-CP600-A
1L-CP600-B
1L-CP600-C
1L-CP600-D
1L-CP600-E
1L-CP200-A
1L-CP200-B
1L-CP300-A
1L-CP300-B
1L-CP300-C
1L-C301-A
1L-C301-B
1L-C301-C
1L-CP100-A
SEE EFM MANUAL

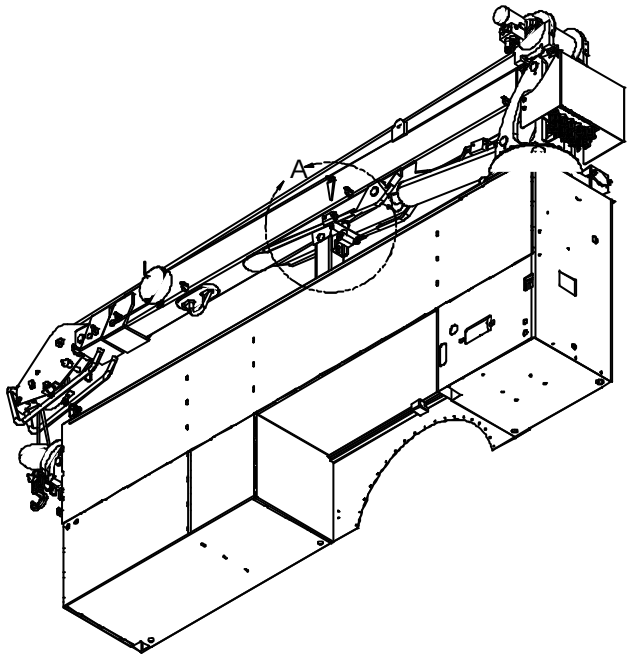
Light Installation (99903687)



99903687 PROPANE BODY LIGHT INSTALLATION			
ITEM	PART #	DESCRIPTION	51719193 - 11' COMPARTMENT LIGHTS
1.	60117375	BRACKET-FLOODLIGHT 12V REAR SP	2
2.	77040424	FLOODLIGHT-COMPOSITE WORK LAMP	2
3.	72601846	CAP SCR-SS .25-20X 1.25 HH	4
4.	72063183	WASHER-SS .25 W MS811 FLAT 18-8	4
5.	72062194	NUT-SS .25-20 NYLOC	4
6.	77040384	LIGHT-COMPARTMENT 12V 2.1AMP	7
7.	72617558	SCR-SELF TAP-SS #10X .50 HH SLOT	14
8.	77044574	CONN-2 CAV TOWER	2
9.	77045888	TERM-14-16GA FEMALE	4
10.	77044927	CABLE SEAL-14 GA GREY	4
REV. D 20071218			

Installation, Boom Support Sensor (99904857)





CAUTION

If crane is not stowed, vehicle will not shift out of PARK. Stow crane to unlock gear shift.

70398947

NOTES:

1 Center support #5 (60135456) over bar #8 (60135459).

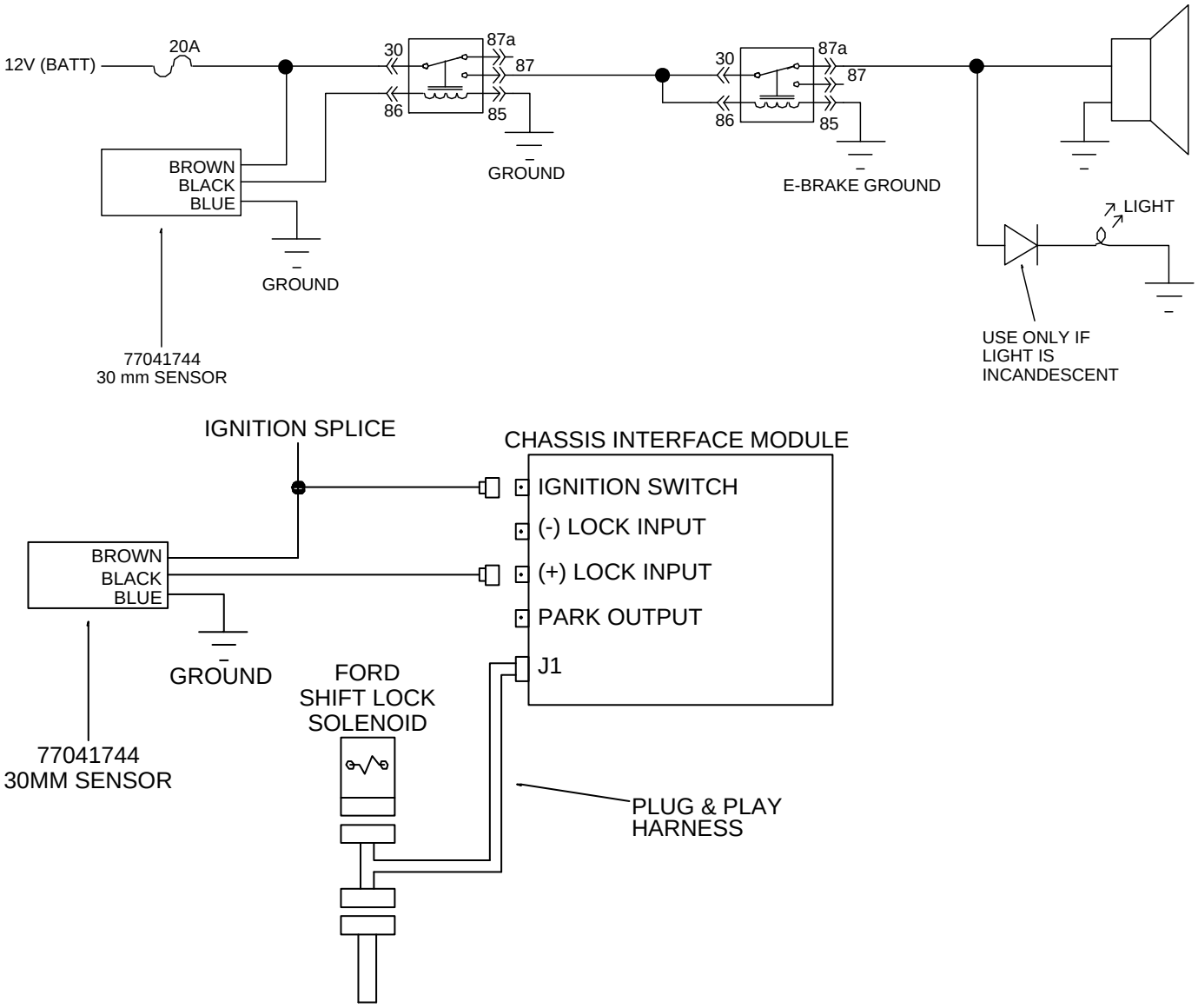
2 Position bar#8 (60135459) parallel with support #5 (60135456).

3 Drill and tap bar #8 (60135459) for machinery screw #16 (1/4-20) (72601410).

99904857 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	99903777	SIDEPACK, DOM 1 11-FOOT RIGHT HORIZONTAL STANDARD	1
2.	99903684	DRAWING-CRANE & PLN WINCH ASY 3820/5020 SII	1
3.	51718848	BOOM SUPPORT-ADJUSTABLE - 3820/5020/6025	1
4.	52718849	PEDESTAL-WELDMENT ADJ 3.5X3.5X16.88	1
5.	60135456	SUPPORT-BOOM STOW SENSOR ON BOOM SUPPORT	1
6.	60135457	ANGLE-BOOM STOW SENSOR ON BOOM SUPPORT	2
7.	60135458	BRACKET-BOOM STOW SENSOR ON BOOM SUPPORT	1

99904857 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
8.	60135459	BAR-BOOM STOW SENSOR ON BOOM SUPPORT	1
9.	72060026	CAP SCREW .31-18X 1.25 HH GR5 Z	4
10.	72063002	WASHER .31 FLAT	12
11.	72063050	WASHER .31 LOCK	2
12.	72060025	CAP SCREW .31-18X 1.00 HH GR5 Z	4
13.	72062109	NUT .31-18 HEX NYLOCK	4
14.	72060833	SCREW-THRD.CUT .31-18X.75 HWH-1	2
15.	72062001	NUT .31-18 HEX	2
16.	72601410	SCREW-MACH .25-20X .75 BTNHD ZC	1
17.	77041744	SENSOR-PROX 30MM 3-WIRE NC	1
NEW 20100325			

Boom Stow Circuit (99904784)



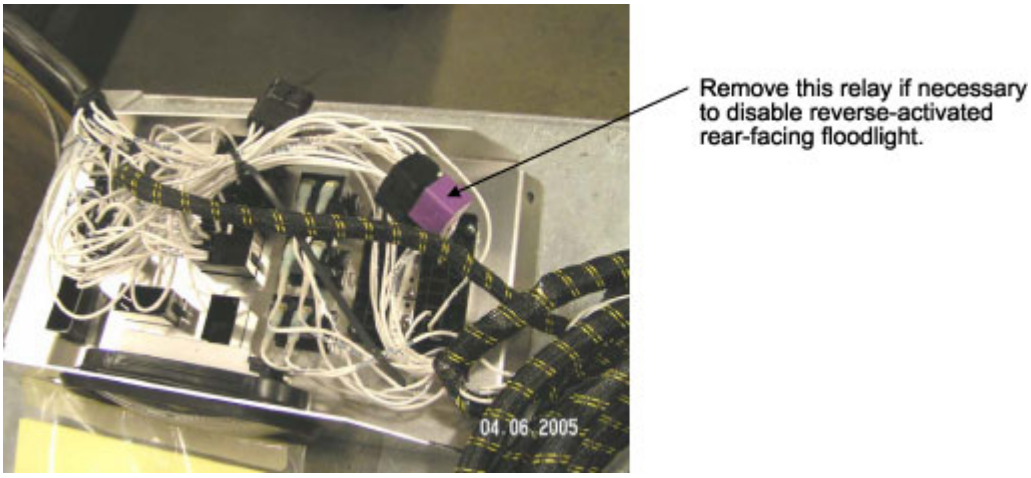
By-Pass Procedure for Reverse Activated Floodlights

A floodlight installed on the rear driver's side of the body will illuminate when the chassis transmission is in reverse.

NOTE:

Some state and local laws prohibit reverse-activated rear-facing floodlights. Consult your local and state regulations regarding reverse-activated, rear-facing floodlights. Disable if necessary.

To disable, remove the relay located behind the crane box switch panel as shown.



Electrical Outlet (51711674)

51711674 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	76393038	GROMMET	1
2.	77040232	TERMINAL-INSULATED SPADE 12-10 GA	3
3.	77044018	CONNECTOR-1/2 STRAIN RELIEF 3/8-1/2	1
4.	77044135	GROUND PLUG	1
5.	77044372	ELECTRICAL BOX 2X44 DEEP WELL	1
6.	77044384	WEATHERPROOF COVER	1
7.	77044501	OUTLET 110V GFI 20A	1
8.	89044039	CABLE 14GA/3WIRE	20FT

Light Reel Kits

LIGHT REEL KIT - 12 VOLT (51707758)					
LIGHT REEL KIT - 110 VOLT - LIGHT DUTY (51707759)					
LIGHT REEL KIT - 110 VOLT W/50' CORD (51712724)					
ITEM	PART #	DESCRIPTION	12 VOLT QUANTITY	110 VOLT QUANTITY	110 VOLT QUANTITY W/CORD
1.	77040187	REEL - 50'	1	1	
	77040368	REEL - 50'			1
2.	77040225	BULB - 12V	1		
	77040224	BULB - 120V 75W ROUGH SERVICE		1	1
3.	77040049	BUTT CONNECTOR	1		
4.	77040000	TERMINAL	1		
5.	72060012	CAP SCR 1/4-20X3 HH GR5	1	1	
	72060025	CAP SCR 5/16-18X1 HH GR5			4
6.	72062104	NUT 1/4-20 LOCK	5	3	
	72062109	NUT 5/16-18 HEX NYLOC			4
7.	72060002	CAP SCR 1/4-20X3/4 HH GR 5	2	2	
8.	89044234	WIRE 14GA YELLOW X 96"	1		
9.	89044235	WIRE 14GA WHITE X 12"	1		
10.	89044072	WIRE 12GA/3 WIRE X 216"		1	1
11.	72063002	WASHER 5/16 FLAT			8

CHAPTER 6

Stabilizers

In This Chapter

Propane Front Stabilizers (51718827 / 99903671) 83
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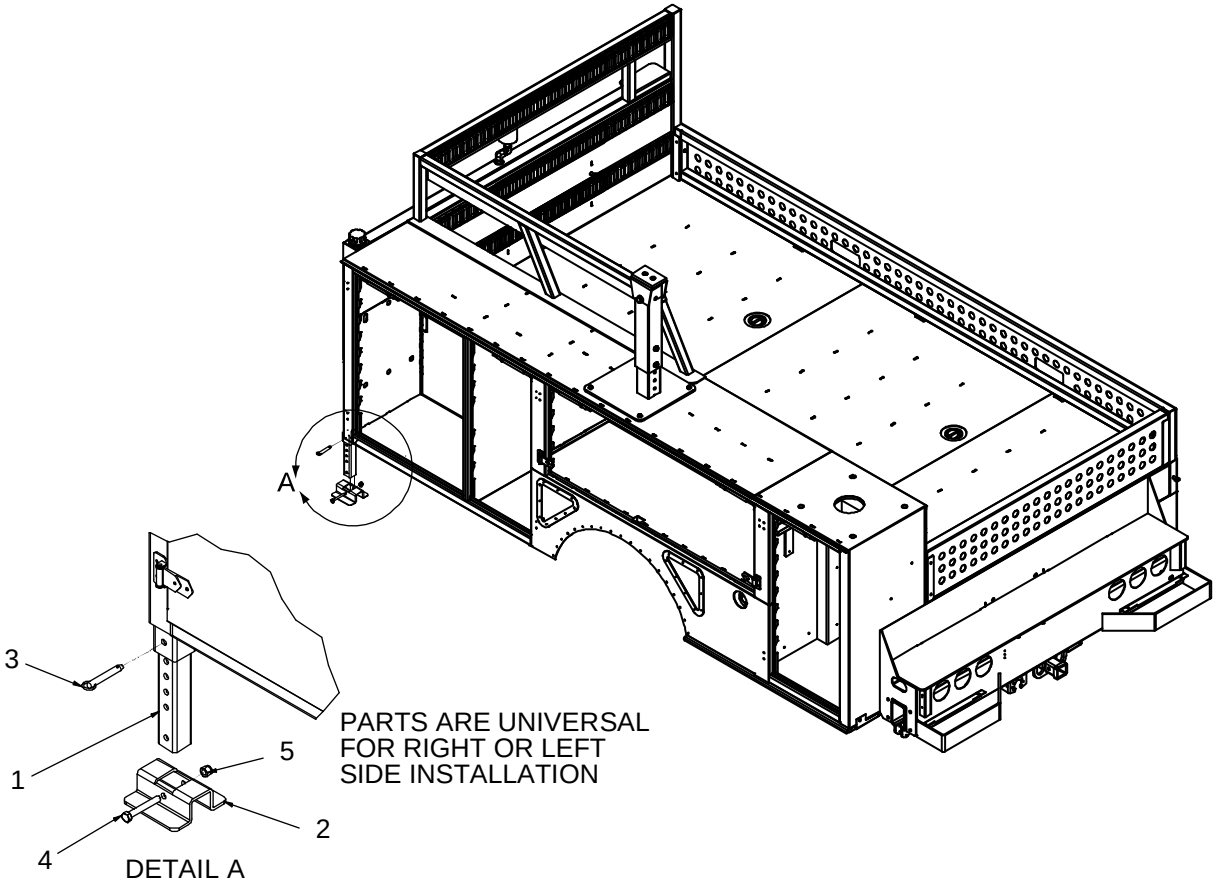
Stabilizer Override Installation & Operation (99904272) 92

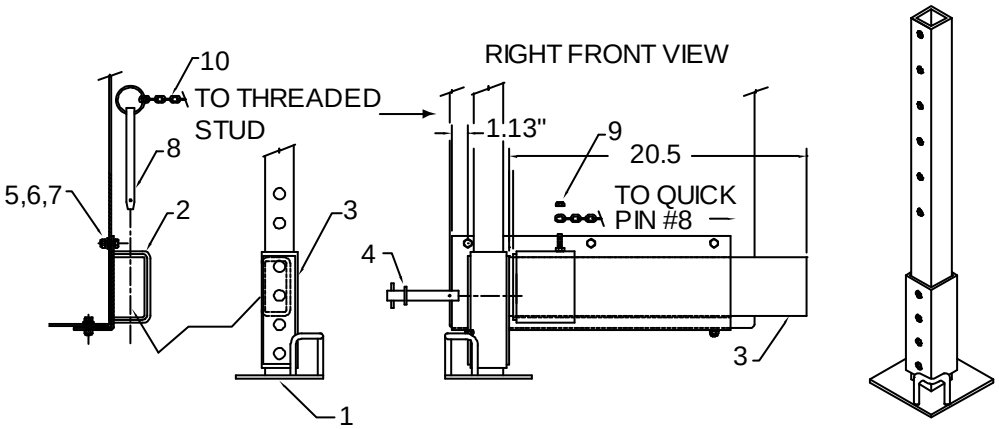
Propane Front Stabilizers (51718827 / 99903671)



51718827 / 99903671 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	60126320	STAB FRT TUBE EXT	1
2.	60126321	STAB FRT BTM PAD	1
3.	71732054	PIN-QUICK RLSE .50/2.5CRIT RNG	1
4.	72601582	CAP SCR .50-13X 3.50 HH (72601848)	1
5.	72062232	NUT .50-13 NYLOC (72062166)	1

REV. A 20050722

Stabilizer, Front Right Pull-Out (51714110)



51714110 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	52714182	STABILIZER LEG	1
2.	52715282	STABILIZER HOUSING, PULL-OUT	1
3.	52715283	STABILIZER ARM	1
4.	71731372	PIN, QUICK RELEASE	1
5.	72060046	CAP SCR 3/8-16X1 HHGR5	5
6.	72062103	NUT 3/8-16 LOCK	5
7.	72063003	WASHER 3/8 LOCK	5
8.	71733327	PIN, QUICK-RELEASE	1
9.	72062104	NUT 1/4-20 HEX NYLOC	1
10.	60114940	CHAIN - 1/8X9"	1

REV. E 20040114

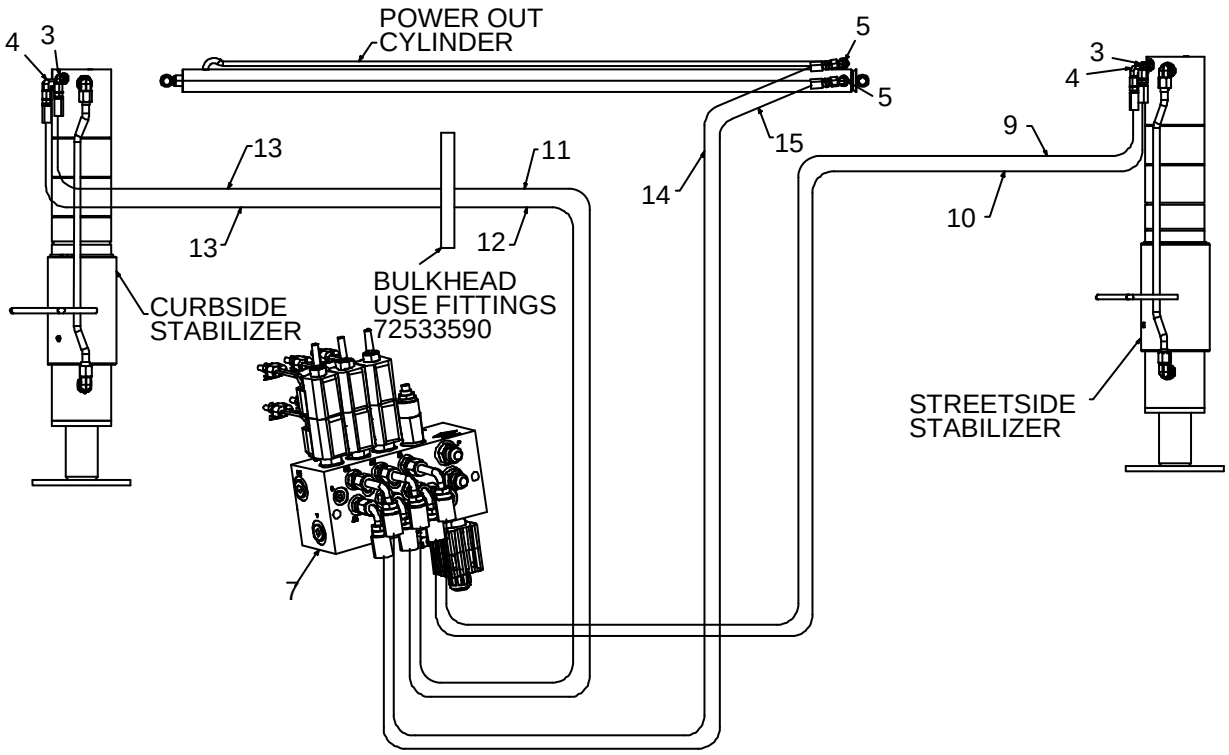
For front left side, use pull-out stabilizer kit 51716730.

Replacement parts are the same as for 51714110 except:

51716730 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
2.	52716731	STABILIZER HOUSING, PULL-OUT, LH	1
3.	52716732	STABILIZER ARM, LH	1

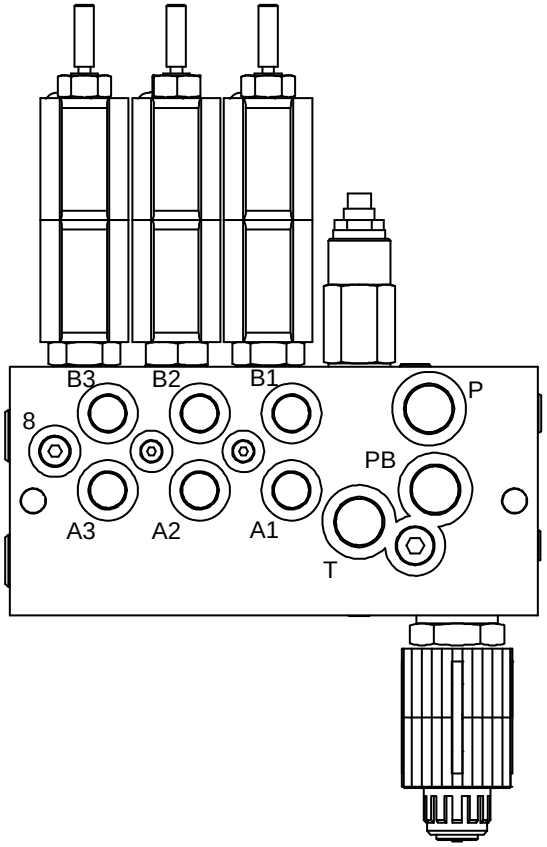
Stabilizer Hydraulic Installation (99904403)

99904403-1 Drawing



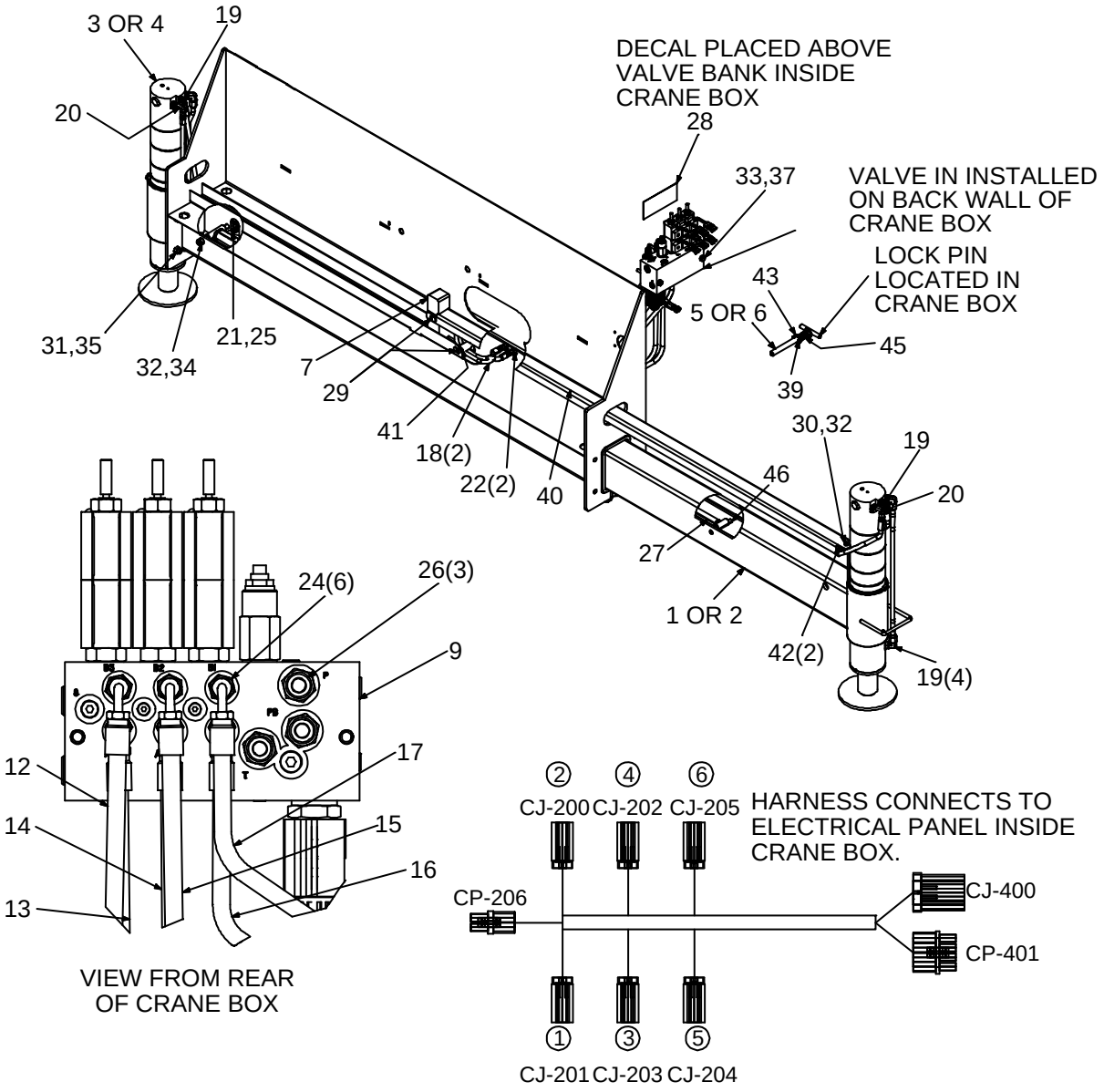
99904403-1 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	51720994	KIT HOSE MANUAL OUT HYD STABILIZERS	REF
2.	51720995	KIT HOSE POWER OUT HYD STABILIZERS	REF
3.	72053758	ELBOW-M STR/90/M JIC 4 4	2
4.	72533567	ELBOW-M STR/M JIC XLG 4 4	2
5.	72532690	ELBOW-M JIC/90/F JIC SW 4 4	2
6.	72533590	ELBOW-M JIC/90/M JIC 4 4 BLKHD	2
7.	73734229	VALVE BANK 3 SEC W/SOLENOIDS DOM STABILIZERS	1
8.	73734228	VALVE BANK 2 SEC W-SOLENOIDS DOM STABILIZERS	1
9.	51397099	HOSE-FZ .25 X 108.00 (4-6) 100R17	1
10.	51397096	HOSE-FJ .25 X 107.50 (4-6) 100R17	1
11.	51397098	HOSE-FZ .25 X 42.00 (4-6) 100R17	1
12.	51397097	HOSE-FJ .25 X 38.00 (4-6) 100R17	1
13.	51396821	HOSE-FF .25 X 96.00 (4-4) 100R2	1
14.	51397101	HOSE-FZ .25 X 82.00 (4-6) 100R17	1
15.	51397100	HOSE-FJ .25 X 82.00 (4-6) 100R17	1
NEW 20080613			

99904403-2 Drawing



ITEM	DESCRIPTION	PORT SIZE
B3	POWER OUT CYLINDER RETURN	-6
A3	POWER OUT CYLINDER PRESSURE	-6
B2	CURB SIDE POWER DOWN RETURN	-6
A2	CURB SIDE POWER DOWN PRESSURE	-6
B1	STREET SIDE POWER DOWN RETURN	-6
A1	STREET SIDE POWER DOWN PRESSURE	-6
T	TANK PORT	-8
PB	POWER BEYOND PORT	-8
P	PRESSURE PORT	-8

Rear Stabilizers, Power Out/Power Down (Kit 31719661 / Dwg 99904262)

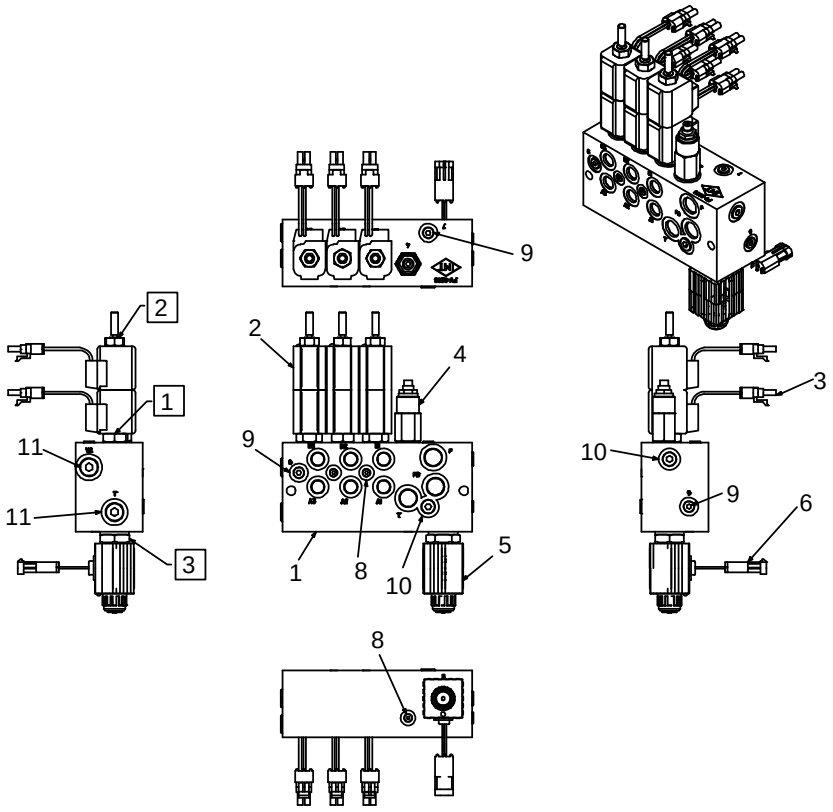


PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
2.	51719647	STABILIZER ASM EXTENSION	1
3.	51719649	STABILIZER ASM STATIONARY MOUNT	1
5.	52719747	PIN	1
7.	60030355	WEAR PAD-RC 2.00 X 2.00 X 6.75	1
8.	60030356	WEAR PAD-RC 2.00 X 2.00 X 5.00	1

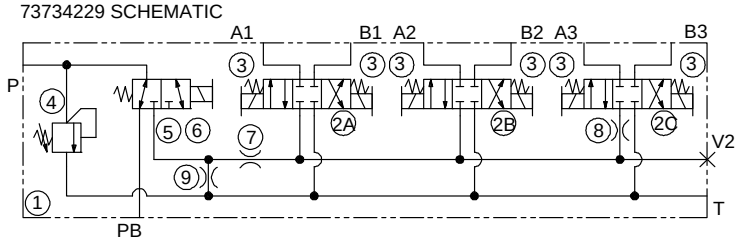
PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
9.	73734229	VALVE BANK 3 SEC W/SOLENOIDS	1
10.	77441134	HARNESS-STABILIZER	REF
11.	51720995	HOSE KIT-POWER OUT HYD STABILIZERS	REF
12.	51397101	HOSE-FZ .25 X 82.00 OAL (4-6) 100R17	1
13.	51397100	HOSE-FJ .25 X 82.00 OAL (4-6) 100R17	1
14.	51397097	HOSE-FJ .25 X 38.00 OAL (4-6) 100R17	1
15.	51397098	HOSE-FZ .25 X 42.00 OAL (4-6) 100R17	1
16.	51397096	HOSE-FJ .25 X 107.50 OAL (4-6) 100R17	1
17.	51397099	HOSE-FZ .25 X 108.00 OAL (4-6) 100R17	1
18.	51396821	HOSE-FF .25 X 96.00 (4-4) 100R2	2
19.	72053758	ELBOW-M STR/90/M JIC 4 4	2
20.	72533567	ELBOW-M STR/M JIC XLG 4 4	2
21.	72532690	ELBOW-M JIC/F JIC SW 4 4	2
22.	72533590	ELBOW-M JIC/90/M JIC 4 4 BLKHD	2
23.	72053763	ELBOW-M STR/90/M JIC 8 8	4
24.	72532355	ADPTR-M STR/M JIC 6 6	6
25.	72532351	ADPTR-M STR/M JIC 4 4	2
26.	72532358	ADPTR-M STR/M JIC 8 8	3
27.	3B142860	CYLINDER	1
28.	70398872	DECAL-STABILIZER MANUAL OVERRIDE, SOFT SHIFT (WAS 70397215 THROUGH 12-2009)	1
29.	72060031	CAP SCR .31-18X 2.50 HH GR5 Z	2
30.	72060026	CAP SCR .31-18X 1.25 HH GR5 Z	1
31.	72060117	CAP SCR .50-13X 1.50 HH GR8 Z	4
32.	72601297	CAP SCR .50-13X 5.75 HH GR5 Z	1
33.	72060056	CAP SCR .38-16X 4.00 HH GR5 Z	2
34.	72062080	NUT .50-13 HEX NYLOCK	1
35.	72062232	NUT .50-13 HEX TOP LOCK GR8 Z	4
36.	72062109	NUT .31-18 HEX NYLOCK	1
37.	72063051	WASHER .38 LOCK	2
38.	72066178	COTTER PIN .12X1.00 PLAIN	2
39.	72066185	COTTER PIN .16X1.00 PLAIN	1
40.	52719342	WELDMENT, CHANNEL HOSE CARRIER	1
41.	60030354	CAM CLAMP 1.00 DIA. X 2.00	1
42.	72661621	CLAMP- .62 LOOP CUSHIONED	2
43.	72063028	MACHY BUSHING .75X14 GA NR	2
45.	60010351	SPRING-COMPRESSION .062X1.50X.845 OD	1
46.	72661472	ROLL PIN .50X4.00	1
REV D 20110520			

Valvebank, Power Out/Power Down (73734229) (Eff. 6-15-07)

NOTE: EFFECTIVE S/N DOMS2S071385.



73734229 SCHEMATIC



NOTES (SEE REFERENCE NUMBER IN BOX):

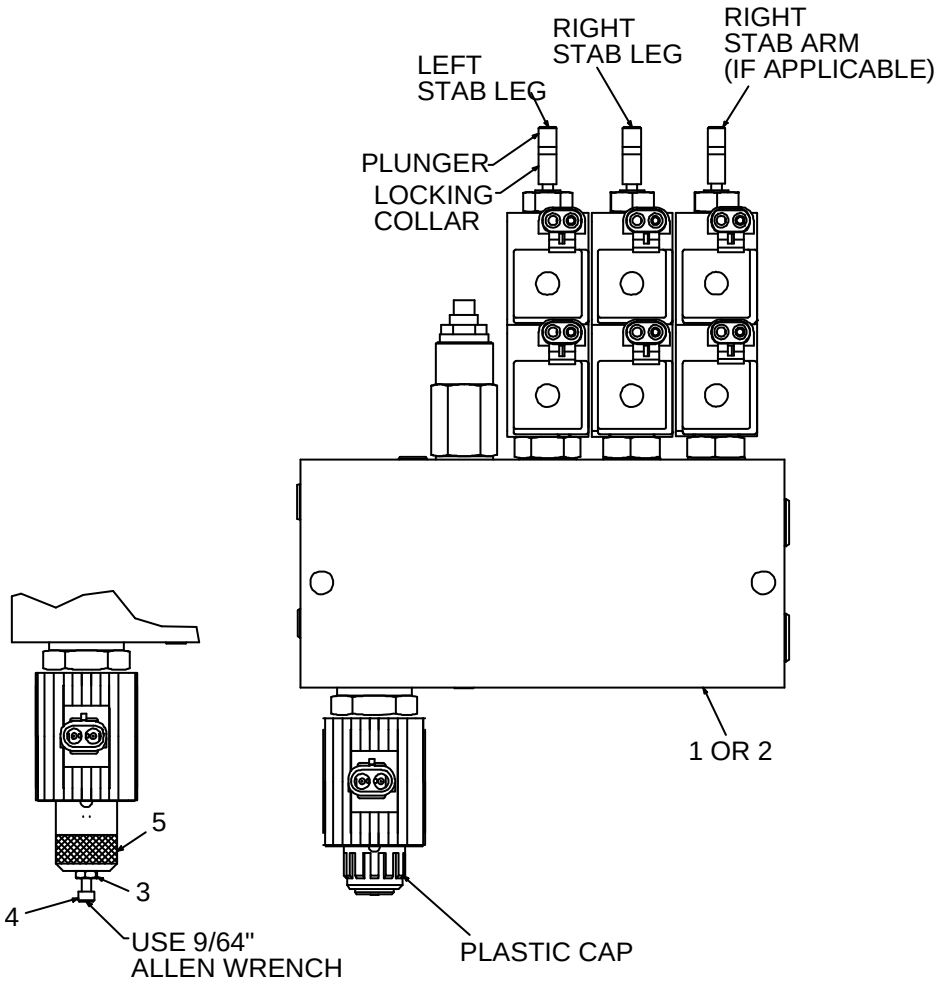
1 TORQUE TO 25 FT-LB.

2 TORQUE TO 3 FT-LB.

3 TORQUE TO 90 FT-LB.

73734229 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	73734229	VALVE BANK 3 SEC W/SOLENOIDS DOM STAB	1
2.	73540271	VALVE-SOLENOID (INCLUDES 2 OF ITEM 77040498)	3
3.	77040498	COIL-12VDC LEAD WIRE	6
4.	73540269	VALVE-RELIEF 3200 PSI	1
5.	73540270	VALVE-SOLENOID SOFT SHIFT (INCLUDES ITEM 77040499)	1
6.	77040499	COIL-12VDC 36W LEADWIRE	1
7.	-	MANIFOLD	1
8.	-	SAE -2 PLUG	3
9.	-	SAE -4 PLUG	3
10.	-	SAE -6 PLUG	2
11.	-	SAE -8 PLUG	2
NEW 20070626			

Stabilizer Override Installation & Operation (99904272)



INSTALLING MANUAL OVERRIDE

1 REMOVE PLASTIC CAP AND DISCARD.

2 REPLACE PLASTIC CAP WITH ITEMS 3, 4, AND 5 AS SHOWN.

3 TURN ADJUSTMENT SCREW (ITEM 4) CLOCKWISE UNTIL YOU FEEL RESISTANCE. TURN COUNTERCLOCKWISE 2 FULL TURNS.

4 TIGHTEN JAM NUT (ITEM 3).

MANUAL OVERRIDE PROCEDURE

1 LOOSEN JAM NUT (ITEM 3).

2 TURN ADJUSTMENT SCREW (ITEM 4) CLOCKWISE UNTIL IT BOTTOMS OUT (APPROXIMATELY 6 FULL TURNS).

3 RAISE LOCKING COLLAR AND PUSH PLUNGER DOWN TO RETRACT DESIRED FUNCTION, OR LIFT TO EXTEND DESIRED FUNCTION.

4 RELEASE PLUNGER.

5 RELEASE LOCKING COLLAR ON ANY VALVE ACTIVATED.

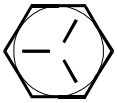
6 PUSH AND RELEASE PLUNGER TO RETURN LOCKING COLLAR TO NEUTRAL POSITION.

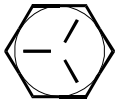
7 RETURN ADJUSTMENT SCREW (ITEM 4) TO ORIGINAL POSITIONS.

8 TIGHTEN JAM NUT (ITEM 3).

99904272 PARTS LIST			
ITEM	PART #	DESCRIPTION	QUANTITY
1.	73734229	VALVE BANK 3 SEC W/SOLENOIDS	REF
2.	73734228	VALVE BANK 2 SEC W/SOLENOIDS	REF
3.	72062093	NUT # 8-32 HEX ZINC	1
4.	72601718	CAP SCR # 8-32X .75 SH PLAIN	1
5.	73029619	CAP-STABILIZER VALVE MANUAL OVERRIDE	1
6.	91721165	KIT-DOM STABILIZER VALVE OVERRIDE (INCL. ITEMS 3-5)	REF
NEW 20070719			

Thread Torque Chart (English)

FINE THREAD BOLTS (ENGLISH)					
SIZE	BOLT DIA.	GRADE 5  SAE J429 GRADE 5		GRADE 8 SAE J429 GRADE 8	
(DIA-TPI)	(INCHES)	PLAIN	PLATED	PLAIN	PLATED
		(FT-LB)	(FT-LB)	(FT-LB)	(FT-LB)
5/16-24	0.3125	19	14	27	20
3/8-24	0.375	35	26	49	35
7/16-20	0.4375	55	41	78	58
1/2-20	0.5	90	64	120	90
9/16-18	0.5625	120	90	170	130
5/8-18	0.625	170	130	240	180
3/4-16	0.75	300	225	420	315
7/8-11	0.875	445	325	670	500
1-12	1	645	485	995	745
1 1/8-12	1.125	890	670	1445	1085
1 1/4-12	1.25	1240	930	2010	1510
1 3/8-12	1.375	1675	1255	2710	2035
1 1/2-12	1.5	2195	1645	3560	2670

COARSE THREAD BOLTS (ENGLISH)					
SIZE	BOLT DIA.	GRADE 5  SAE J429 GRADE 5		GRADE 8 SAE J429 GRADE 8	
(DIA-TPI)	(INCHES)	PLAIN	PLATED	PLAIN	PLATED
		(FT-LB)	(FT-LB)	(FT-LB)	(FT-LB)
5/16-18	0.3125	17	13	25	18
3/8-16	0.375	31	23	44	33
7/16-14	0.4375	49	37	70	52
1/2-13	0.5	75	57	105	80
9/16-12	0.5625	110	82	155	115
5/8-11	0.625	150	115	220	160
3/4-10	0.75	265	200	375	280
7/8-9	0.875	395	295	605	455
1-8	1	590	445	910	680
1 1/8-7	1.125	795	595	1290	965
1 1/4-7	1.25	1120	840	1815	1360
1 3/8-6	1.375	1470	1100	2380	1780
1 1/2-6	1.5	1950	1460	3160	2370

NOTES

1 Tightening torques provided are midrange.

2 Consult bolt manufacturer's particular specifications, when provided.

3 Use flat washers of equal strength.

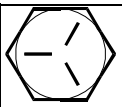
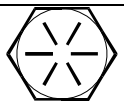
4 All torque measurements are given in foot-pounds.

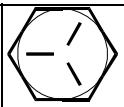
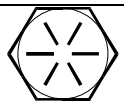
5 Torque values specified are for bolts with residual oils or no special lubricants applied. If special lubricants of high stress ability, such as Never-Seez compound graphite and oil, molybdenum disulphide, colloidal copper or white lead are applied, multiply the torque values in the charts by the factor .90. The use of Loctite does not affect the torque values listed above.

WARNING

Anytime a gear-bearing bolt is removed, it must be replaced with a new bolt of the identical grade and size. Once a bolt has been torqued to 75% of its proof load and then removed, the torque coefficient may no longer be the same as when the bolt was new thus giving indeterminate clamp loads after torquing. Failure to replace gear-bearing bolts may result in bolt failure due to metal fatigue causing death or serious injury.

Thread Torque Chart (Metric)

FINE THREAD TORQUE CHART (METRIC)					
TIGHTENING TORQUE					
SIZE (DIA-TPI)	BOLT DIA. (INCHES)	 SAE J429 GRADE 5		 SAE J429 GRADE 8	
		PLAIN (KG-M)	PLATED (KG-M)	PLAIN (KG-M)	PLATED (KG-M)
5/16-24	0.3125	3	2	4	3
3/8-24	0.375	5	4	7	5
7/16-20	0.4375	8	6	11	8
1/2-20	0.5	12	9	17	12
9/16-18	0.5625	17	12	24	18
5/8-18	0.625	24	18	33	25
3/4-16	0.75	41	31	58	44
7/8-11	0.875	62	45	93	69
1-12	1	89	67	138	103
1 1/8-12	1.125	123	93	200	150
1 1/4-12	1.25	171	129	278	209
1 3/8-12	1.375	232	174	375	281
1 1/2-12	1.5	304	228	492	369

COARSE THREAD TORQUE CHART (METRIC)					
TIGHTENING TORQUE					
SIZE (DIA-TPI)	BOLT DIA (INCHES)	 SAE J429 GRADE 5		 SAE J429 GRADE 8	
		PLAIN (KG-M)	PLATED (KG-M)	PLAIN (KG-M)	PLATED (KG-M)
5/16-18	0.3125	2	2	3	2
3/8-16	0.375	4	3	6	5
7/16-14	0.4375	7	5	10	7
1/2-13	0.5	10	8	15	11
9/16-12	0.5625	15	11	21	16
5/8-11	0.625	21	16	30	22
3/4-10	0.75	37	28	52	39
7/8-9	0.875	55	41	84	63
1-8	1	82	62	126	94
1 1/8-7	1.125	110	82	178	133
1 1/4-7	1.25	155	116	251	188
1 3/8-6	1.375	203	152	329	246
1 1/2-6	1.5	270	210	438	328

NOTES

1 Tightening torques provided are midrange.

2 Consult bolt manufacturer's particular specifications, when provided.

3 Use flat washers of equal strength.

4 All torque measurements are given in kilogram-meters.

5 Torque values specified are for bolts with residual oils or no special lubricants applied. If special lubricants of high stress ability, such as Never-Seez compound graphite and oil, molybdenum disulphide, colloidal copper or white lead are applied, multiply the torque values in the charts by the factor .90. The use of Loctite does not affect the torque values listed above.

WARNING

Anytime a gear-bearing bolt is removed, it must be replaced with a new bolt of the identical grade and size. Once a bolt has been torqued to 75% of its proof load and then removed, the torque coefficient may no longer be the same as when the bolt was new thus giving indeterminate clamp loads after torquing. Failure to replace gear-bearing bolts may result in bolt failure due to metal fatigue causing death or serious injury.